

14

Spine data wrong

not all that wrong!

1912 1918-1929 would be correct.

Note that the first two digits
are the year

hence $P.P. =$

12.1 = 1st coll. of 1912

Don H. Nielsen

21 May 1991

United States
National Museum

Division of Plants

1912.

J = Java (Buisman)

_s = seeds.

Bu = Buffalo Bot. Gard. (Cowell)

12.1 *Echinocactus simpsoni* 10008
1 destr. 122

12.2 *Coustantia rosea* 10043

12.3 *Phyllocactus latifrons* E. *stenopetalum*
Epiphyllum conzatti R. n. sp.

12.4 *Manillaria donati* 10044
1

12.5 *Selenicereus* 10053

12.6 *Lemaireocereus*

12.7 *Cephalocereus royeri* (?)
(= *Pilocereus* ")

12.8 *Hylocereus trigonus*

12.9 *Selenicereus* "

12.10 *Opuntia tuna*
spines large, yellow

12.11 *Opuntia catacantha* L. + O.

Wyoming, Fort Russell Dec., 1911
Earl B. Powell

Mexico, Oaxaca, Coyula, Cuicatlan 1911
C. Conzatti 900 meters
" " "

Mexico, Esperanza, Puebla Jan., 1912
C.A. Purpus 2400 meters

Porto Rico, Ponce
Henry T. Cowles #234
Guayanilla " #235

near " " #236, #248

" " #237

" " #238

La Ventana, near Guayanilla #241

Guayanilla #243

- 12.12 *Melocactus* 10033
- 12.13 *Opuntia catacantha* Dead
- 12.14 " "
- 12.15 " *ficus-indica*
- 12.16 *Selenicereus grandiflorus*
- 12.17 *Euphorbia*
-
- 12.18 *Opuntia ovata* Dead
- 12.19 " *spiegazzinii* Web.
- 12.20 " *foliosa*
1 destr.
- 12.21 " *diademata*
- 12.22 ~~*Pterocactus*~~ ? *Opuntia clausenoides*
1 destr.
- 12.23 *Haworthia clariperla*

- Porto Rico, La Ventana
 Henry T. Cowles. #244, 245, 250
 La Ventana #246
- " #249
- [Common everywhere] #251, 252
- Arecibo #253
- Yauco X

California, Holmby Garden, Jan. 2, 1912
 East Hollywood. Fr. Weinberg

12.24 *Haworthia glabra concolor*

12.25 "

12.26 / " *reinwardii*

12.27 *Gasteria pumila*

12.28 *Opuntia pusilla*

12.29 *Selenicereus*

10046

12.30 *Euphorbia*

12.31 *Opuntia pollardii* Britton & Rose

10074

12.32 *Echinocactus lecontei*

10057

(From South Africa)

Porto Rico, San Juan.

330 B. Hioram, Colegio de San Pablo.

1/13/1912

331

Mississippi, Biloxi

S. M. Tracy.

2/5/12

Arizona, just North of Phoenix

E. O. Wootton #7008

2/9/1912.

"This is what Dr. Kunze calls E. lecontei and is certainly distinct enough from E. wislizeni of the Mesilla Valley. Spines straighter,

12.33 *Echinocactus wislizeni*.

10057

plant taller, and usually
less in diameter, flowers
reddish maroon with orange
margins to petals. Radial spines
different. Should be cultivated
along side of *N.M. E. wislizeni*."

Arizona, just north of Phoenix. 2/9/12.
E.D. Wootton #7009. alt. 1100 ft.

"This is what Dr. Kunze
considers *E. wislizeni*. I'm
inclined to doubt the cor-
rectness of the conclusion. Had
better be compared in growing
condition with *E. wislizeni*
from Ariz. College"

12.34 *Opuntia pollardii*

10062

3 Dead

Alabama, ~~Dauphin Id.~~ Petit
A. H. Howell Bois Id.

Feb. 12, 1912

12.35 *Echinocereus engelmannii*

10078

Arizona, N.E. of Phoenix.
E.D. Wootton

Feb. 12, 1912

12.36 *Manillaria grahamii*.

- Mt. N.E. of Phoenix.

12.37 *Opuntia* 10075

12.38 " *sulphurea* Dead

12.39 " *catacantha*

12.40 *Nopalea*

12.41 *Opuntia decumbens*

12.42 *Nopalea coccinifera*

12.43 *Opuntia vilis* 10076

12.44 *Mammillaria Lloydii* ~~to~~

12.45 "

12.46 *Pereskia* 10077

12.47 *Opuntia pollardi* 10079

Mexico, Balsas NYBG 32811

H. H. Rusby. 1910.

? Simon, 1901

? NYBG 6647

Porto Rico Simon 1906 NYBG 24673
Britton & C. #1323

? Simon 1900

? NYBG #6646

? Weinberg 1910.

? NYBG #32645

Mexico. 1910.

H. H. Rusby. NYBG. —

Mexico, Durango, Lerdo.
E. Chaffey

Mexico, Zacapana
C. A. Purpus.

Alabama, Uniontown
A. H. Howell.

3-4-12

12.48 *Cereus deami* 10081

(or new genus)

12.49 *Hylocereus minutiflorus* = *Wilmatia microflora*
JHB.

12.50 *Selenicereus hondurensis*
JHB

12.51 *Mamillaria arizonica* 10102

12.52 *Echinocereus*

12.53 *Opuntia fusco-atra* Dead 10098

12.54 " *lindheimeri* 1 dead destroyed

12.55 *Phyllocactus gaillardae* ✓
(Seedlings)

12.56 *Weberocereus* n. sp.
Selenicereus marmoratus

12.57 *Cryptostegia* 10099
(Seeds)

Guatemala, Mrs. T. D. A. Coctorell. 2/20/12
Quirigua.

Arizona; Nelson Mar. 2, 1912
E. O. Wootton.

Texas, Victoria. Mar. 4, 1912.
J. D. Mitchell

Canal Zone Feb. 1912
H. Pittier
Colombia Along Sambú R., South
Darien. Epiphytic. #5715

Mexico; San Blas, Sinaloa
E. A. Tays.

12.58 *Cereus Boeckmannii* 10100
Beckner

12.59 " 1 destr.

12.60 "

12.61 "

12.62 *Echinocactus*
Dead & destroyed
12.63 *Maniellaria* Ex Ras

12.64 *Opuntia* 10101

Presented by Arthur Kuester.
March 19, 1912.

Mexico, Oaxaca. Jardin Botánico
Estac. Agr. Exper., Distrito del
Centro. 1550 m. alt. "Nopal
Costoche" C. Conzatti.

12.65 *Acanthocereus* 10103

12.66 "

12.67 *Hylocereus*

12.68 "

12.69 *Opuntia*

Panama

E. B. Goldman #1875

#1876

#1877

#1878

#1879

12.70 Mamillaria
flowers white? 10101

12.71 "
1 destr. flowers

12.72 Opuntia inermis 10103

12.73 Opuntia 10101

12.74 Opuntia 10109
large joints

12.75 "
small.

Bird Seed

12.76 Echinocactus corniger 10104

12.77 Mamillaria 1 dead destroyed

12.78 Echinocereus 10111
1 destr. 5+

Mexico Oaxaca de Juarez.
C. Conzatti #3

#4

Bird Key, Dry Tortugas Islands
Florida, Tortugas Bird Reservation 4/2/12
T.S. Palmer. ^{filed T.S.P. by phone 7-23-15.}

Mexico, Oaxaca 1000 m. alt.
C. Conzatti #5

Alabama, Jackson
E. G. Holt.

4/6/12

Mexico, Guadalupe, Hidalgo.
Wm Brockway #220
Kilo 87, Cuernavaca Div.
#222.

Texas, Kerrville
B. Mackensen.

4/14/12

12.79 *Opuntia*

10109

12.80 *Hylocereus trigonus*

12.81 *Pilocereus*

12.82 *Melocactus* ✓

12.83 *Echinocereus viridiflorus* 10110
There called pin cushion cactus. 9

12.84 *Opuntia*
1 destr.

10109

12.85 *Leuchtenbergia*? ✓
Seedlings, Cacti?

12.86 *Opuntia* ✓
Coarse yellow spines

12.87 *Opuntia*

12.88 *Opuntia*

Dead

Porto Rico, Vieques Island.
A. Wetmore

Mar. 30, 1912

Colorado, Colorado Springs.
J. W. Hornum, S.

Alabama, Myrtlewood
Ernest G. Holt.

Apr. 22, 1912

Alabama, Auburn
J. E. Lloyd #16
(Originally from Cedros)

Porto Rico, Virgin Islands - (Culebra).
Alex Wetmore. Biol. Surv.

12.89 *Opuntia* ✓ 10118

12.90 *Opuntia* 1

12.91 *Opuntia* yellow-green - almost spineless 2
1 destr.

12.92 *Pilocereus* 1

12.93 " ? 1

12.94 ~~*Echinocereus*~~ *Periplocactus Emoryi* 10116
1 destr. fls. pale lemon yellow 1

12.95 *Opuntia* 10118
3

12.96 *Jatropha macrocarpa* 10119
Seeds.

12.97 *Cereus Bonplandii* seeds

12.98 " *tortuosus* seeds

12.99 " *Peruvianus* seeds

California, San Clemente Island 4/28/12
E.O. Wootton #7042
("Photographed")

Alabama, Florence 5/5/12
A.H. Howell

Mexico, Chihuahua
Sent by Elmer Stearns
South America, Argentina. Seeds sent
by Dr. Carlos Thays from Buenos
Aires thru Mr. Peter Bisset,
Dept. of Agr.

12.100 *Manillara Echinocactus Simpsonii* 10148
Pediocactus

12.101

Orchid

12.102

Orchid

12.103

Orchid

12.104

Orchid

12.105

Orchid

12.106

Orchid.

12.107

Orchid

12.108

Orchid

12.109

Orchid

12.110

Orchid

12.111

Orchid.

⁶
10142

Colorado, Jefferson.
C. Birdseye.

May 22, '12

Panama, Cana.
E. A. Goldman

May 8, 1912

Pirri Range (5000 ft.) near head of Rio Timon. May 6, 1912

12.112 *Mamillaria missouriensis* 10135
1 doct. 6

12.113 *Opuntia* 10149

12.114 " 8

12.115 *Echin. Cylindrop.* 1
Cereus

12.116 *Echin.* 1

12.117 *Leuchtenbergia* 1

12.118 *Opuntia* 10148

12.119 *Pilocereus*

12.120 *Opuntia* 10147
3

12.121 *Pereskia nicoyana* Web. 10146
2

Montana, Greycliff.
W.W. Eggleston.

Mexico, Durango, Lerdo.
E. Chaffey.

Porto Rico, Yauco
Alex Wetmore

Utah, Tooele, Tooele Co.
H.L. Shantz #3132

Costa Rica, Puntarenas
Coll. by 'C. Werckle', sent
by A. Tonduz.

12.122 *Opuntia Dillenii* 10145
inermis SHB, //

12.123 *Cephalocereus* ~~Bahamensis~~ 10146
Pilocereus Bahamensis 4

12.124 Orchid 21

12.125 *Acanthocereus* 10154

12.126 *Opuntia elatior* 3

12.127 *Mamillaria zephyranthoides* 10178
1 spec. Ded. ✓

12.128 *Echinocactus viruaga* 1

12.129 " ~~catafractus~~
cataphractus Dams 1

12.130 *Mamillaria vivipara* 2 ✓
(One sent to N.Y.B.G.)

12.131 *Cereus Karstenei* 1
(four angled)

Bahama Islands, Smith Place, May 24, 1912
northeast corner of South
Bight, Andros Islands, Long
Bay Key District.
Dr. Paul Bartoch.

Panama, Pinogana June 20, 1912.
E. A. Goldman.

Panama,
Christopherson #207
(see Mr. Potter for date)

Germany, Messrs. Haage & Schmidt.

Streeters, No. Oak. June 28, 1912.
V. Bailey.

Jardin des Plantes,
Paris
Obtained by Dr. Rose.

- 12.132. *Phyllocactus*
hybrid, destr. 3
- 12.133 *Rhipsalis Warmingiana* 1
- 12.134 " *capilliformis* 1
- 12.135 *Selenicereus* 1
- 12.136 *Amacampseros nachoides* 1
- 12.137 *Cereus setaceus*
(three angled). 1
- 12.138 *Selenicereus* 1
- 12.139 *Weberocereus tinilla* Dead
called *Cereus Biolleyi* 1
- 12.140 *Rhipsalis Wercklei* 1
- 12.141 *Phyllocactus* 1
- 12.142 *Cereus Amecaensis* 1
- 12.143 *Cereus Wercklei* 1

Botanical Garden
Munich, Germany.
Obtained by Dr. Rose.

Botanical Garden
Brussels, Belgium.
Obtained by Dr. Rose.

Botanical Garden
Brussels, Belgium.
Obtained by Dr. Rose.

Santo Domingo
Through Mr. De L'et.
Obtained by Dr. Rose.

Botanical Garden
Brussels, Belgium.
Obtained by Dr. Rose.

Botanical Garden
Brussels, Belgium.
Obtained by Dr. Rose.

Botanical Garden,
Brussels, Belgium.
Obtained by Dr. Rose.

Royal Botanic Gardens, Kew,
Collected by Alfredo Brude in
Obtained by Dr. Rose. Costa Rica.

Royal Botanic Gardens, Kew.
Collected in Costa Rica by Alfred Brude.
Obtained by Dr. Rose.

Botanical Garden, Halle, Germany.
From Costa Rica.
Obtained by Dr. Rose.

Royal Botanic Gardens, Kew.
Obtained by Dr. Rose.

Royal Botanic Gardens, Kew
Obtained by Dr. Rose.

12.144 *Hylocereus*

12.145 " *Lemairii*

12.146 *Opuntia*
1 destr.

12.147 " *Treleasei* Coult. + 2 flowers

12.148 *Opuntia elongata*

12.149 " *megacantha*

12.150 " *monacantha*
1 destr.

12.151 " *inaequilateralis*

12.152 " *Labouretiana*

12.153 " *hyptiacantha*

12.154 " *Winteriana*

12.155 " *parva*

Royal Botanic Gardens, Kew.

Obtained by Dr. Rose.

Royal Botanic Gardens, Kew.

Obtained by Dr. Rose.

Tooele, Utah

(Boring # 78)

J.H. Kearney, of Dept. Agr.

10 mi. E. of Bakersfield, Calif.
Rev. W. J. MacDougal & S. Sykes.

July 12, 1912

June 26, 1912

Italy, La Mortola. A. Berger, thru
Nybg. #36269 Dr. Rose.

#36270

#36271

#36272

#36273

#36275

#36276

#36277

12.156 *Opuntia Scheerii* Dead 10177

12.157 " *pilifera*

12.158 " *Beckeriana*

12.159 " *Bergeriana*

12.160 " *velutina*

12.161 " *puberula*

12.162 " *Hanburyana*

12.163 " *glaucescens*

12.164 " *crinifera*
1 destr.

12.165 " *triacantha*

12.166 " *polyantha*

12.167. " *alcahes*

12.168 " *Verschaffeltii*

#36278

#36279

#36280

#36281

#36282

#36283

#36284

#36285

#36286

#36287

#36288

#36289

#36291

12.169 *Opuntia haematocarpa* 10177
1 destr.

12.170 " *oligacantha*

12.171 " *intermedia*

12.172 " *Lemaireana* Dead

12.173 " ~~*foliosa*~~
1 destr.

12.174 " *fulgida nana*

12.175 " *molesta*

12.176 " *Spegazzinii*

12.177 " *Bigelovii*

12.178 *Pereskia amapola* LHB

12.179 *Pereskiaopsis rotundifolia*

12.180 " *de Hait*

#36292

#36293

#36294

#36296

#36297

#36298

#36299

#36302

#36303

#36304

#36306

#36309

12.181 *Cereus nycticalis armatus* 10177

12.182 " *grandiflorus maximilianus*

12.183 *Echinopsis obrepanda* 10176

12.184 ~~*Echinocactus*~~ ^{*Rebutia*} *minuoculus* 1

12.185 " *Martinii* 12

12.186. " *Schlingkianus* 1
+ destr. 1 destr.

12.187. " *Grahleanus* 1
+ destr. 1 destr.

12.188 *Mamillaria Mundtii* 1

12.189. " *fulvolanata* 4

12.190 " ~~*puszta*~~ *bocasana* 1

12.191 " *trichantha* 2

12.192 " *pyrocephala* 1

36313

36314

Germany, Mahlsdorf.
From Walter Mundt.

12.193 Mamillaria Praelii 10176

12.194 Cereus thelegonus(?) 1

12.195 Echinocactus Quehlii 1

12.196 " platensis 2

12.197 Echinocereus Salin-Dyckianus 2

12.198 " Scheerii 2

12.199 " amoenus 2

~~Dead specimen~~ 2

12.200 " subinermis

12.201 Echinocactus Schumannianus 1

12.202 Mamillaria rhodantha 1

12.203 Echinocactus denudatus paraguayensis? 1

12.204 Echinopsis Pentlandii 1

12.205 Echinocactus concinnus 1

(Germany - W. Mundt.)

12.206 Echinocactus pumilus 10176

12.207 ~~Dead specimen~~ Mammillaria Parkinsonii 1

12.208 " elegans 1

12.209 Echinocereus Leonensis 1

12.210 Opuntia Hempeli 1

12.211 Echinocactus Ottomii 1

12.212 Echinocereus maritimus 1

12.213 " candicans 1

12.214 Yormauxia oreganum 2
1 destr. acc. 10246

12.215 Phyllocactus 5
acc 10,185

12.216 Pereskia 1

(Germany - W. Mundt.)

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

Oregon, Crater National Forest July 27, 12.
Klamath Co. Miss. Jessie P.
Rose #2029

Panama,
E. A. Goldman 1957 (Biol. Serv.)

1956

12.217 *Opuntia fragilis* acc. 10247
2 destr

12.218 *Hylocereus Lemairei* 10⁺ acc. 10248
1

12.219 *Opuntia whipplei*? acc. 10215
(New species collected by P.C. Standley in 1911!)
2

12.220 *Opuntia* 3
1 destr.

12.221 *Mamillaria*^{not} *Wrightii* acc. 10202.
Box spec. 1

12.222 *Pelecophora aselliformis* 1

12.223 *Cereus Lemaireocereus giseus*
"Thurberi!" or *C. eburneus* 1

12.224 *Echinocereus amoenus* 2
And preserved

12.225 *Mamillaria candida* 1

12.226 " " *decipiens* 1

12.227 *Pereskia* acc. 10201
1

Utah, Salt Lake City. Grantsville, Tooele Co.
A. O. Garrett.

My Bot. Gard. 27689

New Mexico, near Santa Fe.
T. D. A. Cockerell.

Mexico, San Luis Potosi.
Mrs. Irene Vera.

#1

#2

#3

Mexico. From Prof. C. Conzatti
C. Conzatti.

12.228 *Echeveria* 10201
_{1 det.} *Thompsonella minutiflora* LHB

12.229 *Cereus*

12.230 *Coryphantha*

12.231 *Opuntia decumbens*

12.232 "

12.233 *Hylocereus trigonus*

12.234 *Nopalea cochinellifera*

12.235 *Opuntia Dillenii*

12.236 *Cephalocereus*

12.237 *Opuntia fragilis*
_{1 det.}

12.238 *Echinocereus aggregatus*

12.239 *Opuntia*

Mexico, Oaxaca, Tomellin Cañon
C. Conzatti.

Camino de Ilaolula

Almolegas, Tomellin.

Ilaolula

Porto Rico, Juana Diaz,
Alex Wetmore

Arizona, Flagstaff.
G. Dykes, #1
#2

Aug. 1912

#3

12.240 *Opuntia whipplei* 10200

12.241 "

12.242 " *whipplei*
1 destr.

12.243 *Echinocereus aggregatus*

12.244 *Opuntia*

12.245 *Echinocereus aggregatus*

12.246 *Mamillaria Arizona* ?

12.247 *Nopalea amberi* ~~Dead~~ 10201
" *dejecta* ~~Acc~~

12.248 *Nyctocereus* n. sp.
apocactus conzatti

12.249 *Cereus quisco* Remy Acc. 10245
(Seeds) 2

12.250 " "
(Seeds) 1

12.251 " "
(Seeds) 1

#4

#5

#6

#7

#9

#10

#11

Mexico, Oaxaca, suburbs of.
C. Conzatti.

Chile, J.D. Husbands
S.P.D. 33824 Thru Dr. Fairchild's Office.
33826

33827

12.252 ~~Opuntia~~ *Maihuenia* 10245
 (Seeds) Bus Js 1
 12.253 *Cactus*
 (Seeds) Bus Js 1
 12.254 " (Seeds) 1
 12.255 " (Seeds) Bus Js 1
 12.256 " (Seeds) 1

12.257 *Opuntia polyacantha* acc 10247
 1

12.258 *Gormania oregana* acc 10246
 HNB 5

12.259 *Mamillaria Karwinskiana* acc 10249
 1

12.260 *Opuntia* acc. 10261
 2 destr. 30[±]

Chile S.P.I. 33828 (J.D. Husband)

33829

33830

33831

33832

(See 12.290)

Utah, Tooele Co. near Grantsville.
 A.O. Garrett.

Oregon Cherry Canyon, near Crystal.
 Miss J.R. Rose.

Mexico,
 C. Conzatti #23

Kansas, Topeka
 Dr. J.H. Rose # 17003

Sept. 13, 1912

12.261 Echeveria acc. 10262

12.262 Sedum
1 destr.

12.263 Opuntia
§ Cylindrop. acc. 10264

12.264 Opuntia
§ Cylindrop. small form.

12.265 Echinocereus Dead acc. 10261
1 destr. 8 dec 30 tagged

12.266 Mammillaria
2 destr. 1 destr.

12.267 Opuntia
1 destr. Dead

12.268 Opuntia 9

12.269 " polyacantha 2

12.270 Opuntia acc. 10243
3

Germany, Erfurt.
Haage u. Schmidt.

9-7-12.

Mrs. Irene Vera.
Mexico, San Luis Potosi
#1 Recd. 9/18/12.

#2

Kansas, Syracuse.
J. N. Rose #17048

9-16-12.

#17049

#17050

Colorado, La Junta
#17051

#17052

Louisiana, Marksville
W. L. McAtee

9-14-12

- | | | | |
|--------|--------------------------------------|------------|-----|
| 12.271 | Opuntia 1 destr. | - | 2 ✓ |
| 12.272 | Mamillaria Harvardii | acc 10242 | 1 |
| 12.273 | " | | 1 |
| 12.274 | " | | 2 |
| 12.275 | Mamillaria 2 destr. | acc 10261 | 4 |
| 12.276 | Opuntia | | 1 |
| 12.277 | Echeveria | acc. 10241 | 1 |
| 12.278 | Opuntia 1 destr. 1 dead destroyed | acc. 10261 | 8 |
| 12.279 | Mamillaria vivipara | | 2 |
| 12.280 | Opuntia | 10229 | 1 |

Colorado Yuma
H. L. Shantz.

9-20-12

Arizona, Foothills of Santa Rita Mts., south of Tucson,
E. O. Wootton.

9-14-12

Tribune, Kans.

9-18-12

J. N. Rose #17089
La Junta, Colo.
#17053

9-16-12.

Presented by Mr. Swiggert.
(Originally from Scotland)

Kansas, Pratt.

9-23-12

J. N. Rose #17160

#17162

Canal House, Bas Obispo
S. P. Verner.

8-31-12.

12.281 *Mamillaria missouriensis* 2 ✓

12.282 *Amoreuxia palmatifolia* DC. x ✓
"Laya" (Seeds)
Ded-

12.283 *Opuntia fragilis* 1 ✓
(With 12.281)

12.284 *Mamillaria vivipara* acc. 10261
1

12.285 *Opuntia fragilis* 1 dead destroyed
20

12.286 " hybrid
1 destr. 1 dead destroyed 4

12.287 *Mamillaria vivipara* 10
2 destr.

12.288 *Opuntia* hybrid 8
1 destr. 3 Platiop.

12.289 *Mozinia pauciflora* Rose 97 acc. ✓
(Seeds) 1 dead

12.290 *Cereus quisco* acc. 10245
Haage jun. (Seeds) 3

South Dakota, Newell
W. P. Carr #417 B.P.L.

Mexico, Linaloa,
E. A. H. Tays

South Dakota, Newell.
W. P. Carr #418, B.P.L.

Kansas, Hugoton
J. N. Rose #17125

#17130

#17138

#17139

Mexico, Oaxaca, Sierra de Tlacolula. Aug. 23, 1912
C. Conzatti

Chile
J. D. Husbands. S.P.I. #33825

12.291 *Opuntia* _{3 Platiop.} 1 destr. 1 ded ^{acc. 10256} 3

12.292 *Opuntia megarrhiza* _{3 Platiop.} 3

12.293 *Mamillaria fasciculata* ^{acc. 10257} 1

12.294 *Opuntia xanthostemma* _{1 destr. 3 Platiop.} ^{acc. 10263} 3

12.295 " *monacantha* _{3 Platiop.} 4

12.296 " *Cantabrigiensis* Lynch. _{3 Platiop.} 4

12.297 *Cereus* ^{acc. 10264}
Selenicereus spinulosus 2

12.298 *Opuntia opuntia* (L.) ^{acc. 10258}
_{2 destr. 3 Platiop.} 6

12.299 *Opuntia* ^{acc. 10248}
_{1 destr. 3 Platiop. 2 destr. 2 destr.} 3

12.300 *Opuntia* ^{acc.}
_{3 Platiop.} 3

Texas, Dallas Co., near Irving 9-24-12
A. Ruth.

Arizona (B. P. L.)
E. W. Hudson C. P. B. #7590

England, Cambridge.
R. Irwin Lynch.

Mexico, San Luis Potosi
Miss Irvine Vera

Virginia, Great Falls. Oct. 4, 1912
J. N. Rose.

Growing wild in grounds of NYBG. Oct. 7, 1912

Mississippi, Natchez. (Biol. Survey) Oct. 5, 1912
E. G. Hoelt.

12.301 *Sobralia macrantha*
Orchid

acc. 10235

1

12.302 *Opuntia*
& *Cylindrop.*

acc. 10260

6

12.303 *Opuntia*
& *Cylindrop.*

6

12.304 *Opuntia*
& *Platiop.*

acc. 10256

3

12.305 *Ipomoea leptophylla*
(Seeds)

10261

12.306 *Mamillaria vivipara* Haw. acc.
1 destr. (Seeds) of 12.266

Bug

12.307 *Mentzelia nuda*, ded
(Seeds)

12.308 *Yucca*
(Seeds)
Ded



12.309 *Mamillaria vivipara*
1 destr.

acc. 10259

Mexico, Aire Libre

Oct. 1912

H. & W. Hixon, Terzintan
(Sent to Nat. Bot. Gard.)

Arizona, on road to Sabinos Cañon,
15 miles from Tucson. W. T.
Swingle. C. P. B. # 687.
Mouth of Sabinos
Cañon, W. T. Swingle
C. P. B. # 689

Texas, near Fort Worth
Prof. Albert Ruth.

Kansas, Syracuse.
J. N. Rose #17032

#17049
Colorado, La Junta.

#17069
Kansas, near Johnson
#17103

North Dakota, Mandan

S. C. Mason

C. P. B. #1132

12.310 *Mammillaria (Coryphantha)* 1 dead ✓
(Seeds)

12.311 *Opuntia humifusa* acc
3

12.312. *Nopalaea coccinellifera* acc
(All made up into Herb. sp.) JHB. 2

12.313 *Mammillaria (Coryphantha) pallida* acc
subsp. 2

12.314 *Hylocereus Gonzattii*
apocactus Gonzattii 1

12.315 *Pereskopsis*
Pereskia Gonzattii 2

12.316 *Opuntia depressa* Rose
1 det. 1

12.317 *Echinocactus cornigerus* 1

12.318 *Opuntia Greenei* 1 dead destroyed
Glochids brown 1

12.319.
Glochids yellow 6+ Dead

12.320 *Mammillaria Kunzeana* acc
Quehl + Boderker 2.

Texas, Vicinity of El Paso.
Elmer Stearns

Sept. 1912

Indiana, Lafayette
J. C. Arthur.

Oct. 15, 1912

Mexico, Oaxaca, Agr. Exp. Sta.
C. Gonzatti #8

Puebla, Tehuacan
#28

Oaxaca, Cerro San Felipe
#18

" San Juanito
#19

Puebla, Santiago Mixhuatlán.
#33

" Tehuacan.
#36

Colorado, Boulder.
T. D. A. Cockerell

Oct. 1912

Germany, Halle (Saale)
L. Quehl.

12.321 *Sedum*

Ded
Ded

acc.

3

12.322 *Opuntia catacantha*
1 destr. *Calla Nopalea monolifera*.

acc

1

12.323 *Pereskopsis chapistla*

1

12.324 *Nopalea Auberi* ?

Calla N. Karwinskiana

1

12.325 *Hylocereus* ? *Acanthocereus*

acc

2

12.326 *Nyctocereus* ? " juv. form.

1

12.327 *Acantho* *Cereus submermis* B + R ?

1

12.328 *Rhipsalis Cassytha*
1 destr.

2

12.329 *Hylocereus*

acc.

2

12.330 " *Costaricensis*
Cereus polychrysus

1

Arizona: Santa Catalina Mts.
Moist places in shade of cliffs,
4-5000 ft. D.T. MacDougal.

England, Heaton Park, Manchester.
"St. Kitts, 01" R. Lamb. #627.

#766,

#626,

Mexico, Oaxaca de Juarez. Jardin Conzatti.
C. Conzatti A

B

C

D

Bay of Panama, Urua Ids., Howe, 1910
NyBG. 31788
"From Werckle, 1911"
NyBG. 11984

12.331 *Stauranthus Conzatti* n. sp.
(Seeds)

12.332 *Opuntia Scheerii* 1 ded
(Seeds)

12.333 *Pereskopsis chapistle*
spec. ded. - destroyed 2

12.334 *Hylocereus tricostratus* 2

12.335 *Mamillaria* 3

12.336 *Opuntia* acc
6

12.337 *Pereskopsis* n. sp. 3

12.338 *Hylo* *Cereus Lemairei* acc
1

12.339 " *extensus* 1

Mexico, Oaxaca, Cerro San
Antonio, 1800 meters alt.
Distributo del Centro, C. Conzatti

Italy, La Mortola
J. N. Rose 17223

May 16, 1912

Mexico, Oaxaca de Juarez, Oaxaca.
C. Conzatti "E"

"F"

"G"

Colorado, Boulder,
T. D. A. Cockerell.

Mexico, Oaxaca, Xoxo, Monte
alban. C. Conzatti 11/10/12

England, Manchester,
R. Lamb.

Diplocystis

- | | | | |
|---------|---------------------|---|----|
| 12.340. | <i>Phyllocactus</i> | <i>biformis</i> | 2. |
| 12.341. | " | <i>Hookeri</i> | 2. |
| 12.342. | " | <i>lepidocarpus</i> 1 dead destroyed | 1 |
| 12.343 | 1 destr. | " <i>grandis</i> | 2 |

- 12.344 *Cereus Bradlei* 1 ded
(seeds)

- | | | | |
|---------|-------------------------------------|---|------|
| 12.345. | <i>Fouquieria splendens</i> Engelm. | 1 | acc. |
| 12.346 | <i>Carnegiea gigantea</i> | 2 | |
| 12.347 | <i>Echinocactus Wislizeni</i> | 2 | |
| 12.348 | <i>Peniocereus Greggii</i> | 3 | |
| 12.349 | <i>Mammillaria Grahami</i> | 4 | |
| 12.350 | <i>Echinocereus Engelmanni</i> ? | 1 | |

(England, Manchester -
R. Lamb)

Costa Rica, San Jose, Museo Nacional
O. Jiménez # 616

Arizona, Sacaton, Pima Indian School.
Frank W. Thackeray.

12.351 *Opuntia leptocaulis* 4

12.352 *Opuntia acanthocarpa* 1

12.353 " *arbuscula* ? 1

12.354 " *Bigelowii* 1

12.355 " 1 destr. 1

12.356 *Opuntia*
(Seeds of 12.351)

12.357 *Selenicereus* acc. 1

12.358 *Hylocereus* 1

12.359 *Selenicereus*
"not *grandiflorus*" 1

12.360 *Hylocereus polyrhizus* 2

12.361 *Selenicereus brevispinus* 1
1 destr.

12.362 " " 1

(Arizona, Sacaton
Fr. Thackeray)

Cuba, Santa Clara,
NyBY. 31983 N.L.B. 1910

NyBY. 6170 Simon

NyBY. 6689 Simon, Paris, 1901

Colombia, Weinberg 1902
NyBY. 14641

Cuba Shafer 338
NyBY. 30107

Bahamas, New Providence 868 1904
NyBY. 21519

- 12.363 *Hylocereus ocamponis* 3
- 12.364 "*Hylocereus coccineus* B.M.
 hiale 1
- 12.365 *Selenicereus* 1
- 12.366 *Hylocereus triangularis*
 destr. 1
- 12.367 " 1
- 12.368 *Cereus pentagonus*
 = *Selenicereus rigidus* 1
- 12.369 *Selenicereus fulvocornatus* 1
- 12.370 *Hylocereus polychizus*
 ded 1
- 12.371 *Selenicereus Maxonii* 1
- 12.372 *Selenicereus grandiflorus maximilianus* 1
- 12.373 *Hylocereus* 1
- 12.374 " 1

- Mr. Barre 1901
- NyBG. 9772
- "Pernambuco" Simon 1901
- NyBG. 6787
- Cuba, El Cobre 1912.
- NyBG. 35226 B.C. 12879.
- F. Weinberg 1910
- NyBG. 32770
- NyBG. 22197
- Simon - 1901
- NyBG. 6791
- Haiti Nash #1504 1905
- NyBG. #24088
- NyBG. #6232
- Bahamas, N.L.B. #2824 1905
- NyBG. #22105
- Italy, La Mortola. Berger by Rose 1912
- NyBG. 36314
- Santo Domingo, Taylor #314 1909
- NyBG. #31795
- NyBG. 27689

12.375 *Coryphantha Cubensis*

2

12.376 *Opuntia*
1 destr. *rhodantha?*

acc

3

12.377 *Opuntia Texana*

acc

12.378 *Hylocereus Guatemalensis*
Cereus trigonus guatemalensis

2

12.379. *Hylocereus*
Cereus Napoleonis

1

12.380 *Hylocereus*
Cereus extensus

1

12.381 *Hylocereus*
Cereus Lemairei

1

12.382 *Opuntia*

acc

12.383 *Mamillaria elegans*

2

12.384 *Opuntia Nelsonii* Rose

1

12.385 *Opuntia*
1 destr.

1

1

Cuba, Oriente Shafer #12432 '12
Nybg. 35225

Colorado, Boulder,
T.D.A. Cockerell

Italy, La Mortola. A. Berger.

Mexico, Oaxaca. Bet. Alvarado & Tomellin. Nov. 1912
E. Conzatti "GG"

"J"

"FF"

"H"

| | | |
|--------|--------------------------|-----|
| 12.386 | Mamillaria | acc |
| | "Bocosana" | 1 |
| 12.387 | "modesta Rose nqf | |
| | "Caput Medusae" | 1 |
| 12.388 | " | |
| | "Centricircha macrantha" | 1 |
| 12.389 | " | |
| | "dolichocentra" | 1 |
| 12.390 | " | |
| | "decipiens" | 1 |
| 12.391 | " | |
| | "pectinata" | 1 |
| 12.392 | " | |
| | "conoidea" | 1 |
| 12.393 | "1 dead destroyed" | |
| | "wrightii" | 2 |
| 12.394 | " | |
| | "spinosissima" | 1 |
| 12.395 | " | |
| | "potosina" | 1 |
| 12.396 | " | |
| | "uncinata" | 1 |

Mexico, San Luis Potosi, S.L.P. Nov. 28, 1912
 Mrs Irene Vera

12.397 *Epiphyllum Gaillardiae* Rose ^{acc}
^{n.sp. 3}
12.398 *Rhipsalis Cassythae* ^{baccifera}
⁵

12.399 *Cereus Aragoni* ^{acc}
²

12.400 *Cereus* ^{acc}
"fulgidus" ¹

12.401 " " ¹
"polyrhizus" ¹

12.402 " " ¹
"Boeckmannii" ¹
12.403 *Hylocereus* ^{1 dead destroyed}
"setaceus" ¹

12.404 " " ¹

12.405 *Opuntia cholla* ^(Seedling) ¹

12.406 *Nopalea Amberi* ¹

Canal Zone, Bas Obispo
S.P. Verner

Costa Rica, San José, Museo
Nacional, Alfaro.

England, Manchester, Heaton Park
R. Lamb # 61

129

19

145

654

623

- 12.407 ^{Hyl} *Cereus Purpusii* " acc
 (Spec. ded) /
- 12.408 " *Vaupelii* " /
- 12.409 " *caesius* " /
- 12.410 *Chilensis* " ded /
-
- 12.411. *Epiphyllum crenatum* acc /
- 12.412. " " /
- 12.413. " Dead /
- 12.414. " *latifrons* /
- 12.415. " " /
- 12.416 *Rhipsalis* /
- 12.417 *Epiphyllum macropetrum* /
- 12.418 " *carthagenae* /

Germany, Erfurt
 Haage & Schmidt.

Geneva, 1912. Dr. Rose.
 NYBG. 36210
 Werckle, 1901
 NYBG. 11966
 Werckle, 1902
 NYBG. 11996
 Italy, La Mortola, Berger thru Dr. Rose
 NYBG. 36317
 Geneva 1912. Dr. Rose
 NYBG. 36211
 Costa Rica, San José, W.R. Maxon
 NYBG. 24943
 "Piedras Negras" - Werckle, 1902.
 NYBG. 11993
 Weinberg 1903
 NYBG. 19161

12.419 *Epiphyllum stenopetalum* acc.

12.420 " *cartagense robustum*

12.421 " *cartagense*

12.422 *Opuntia rutilis* acc.
| destr.

12.423 *Echinocereus Engelmannii*

12.424 " " ?

12.425 *Echinocactus Wislizenii*

12.426 *Pilocereus Celsianus* acc.
Stenocereus

12.427 " *Dautovitzii*

Simon, 1901

NYBG 6137

Weniberg 1903

NYBG 19161

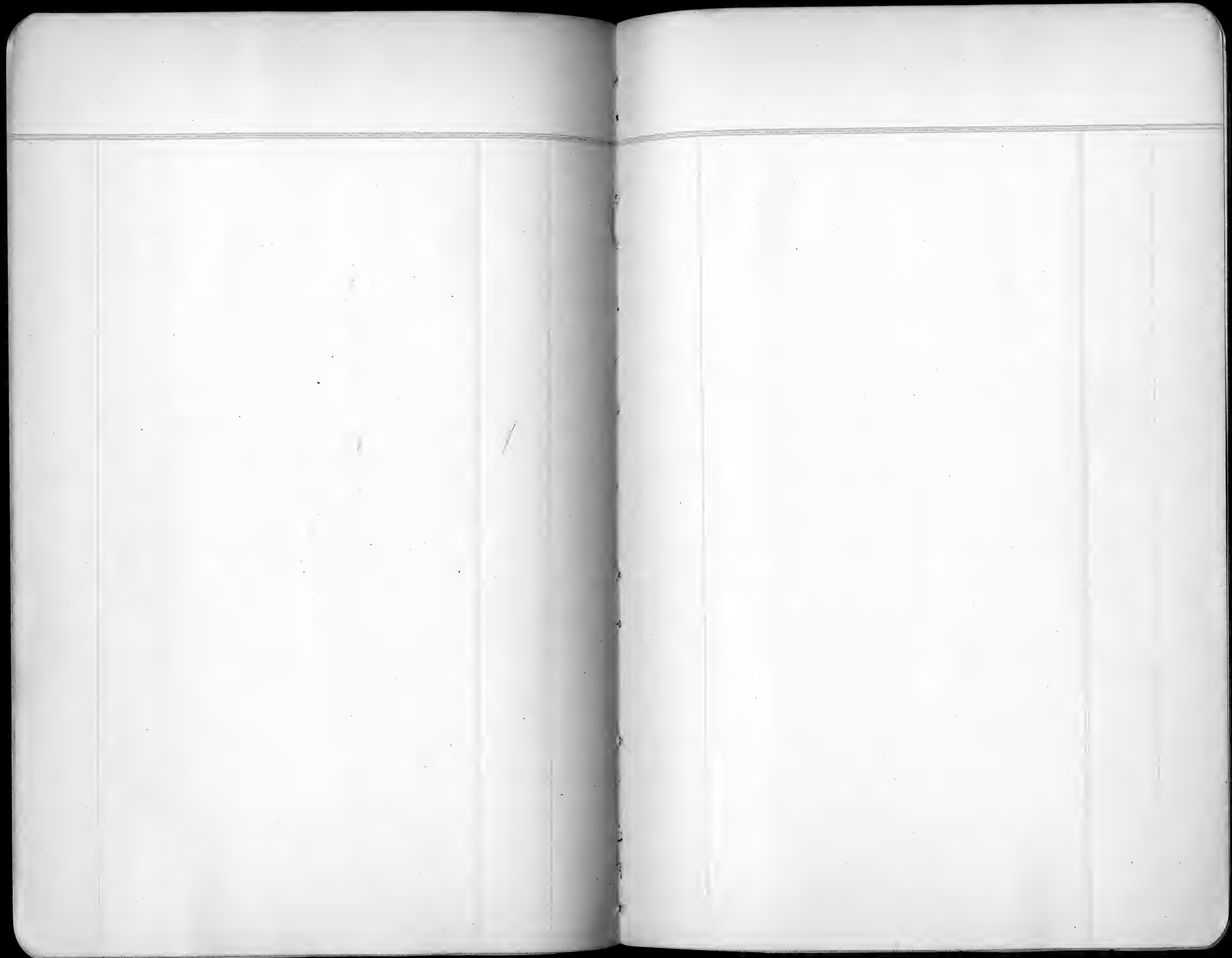
W. Maxon 1906 - Costa Rica

NYBG 24944

Arizona, Coconino Co., Supai
A. H. Symons.

Germany Erfurt.
F. A. Haage jun.

Dec. 18, 1912.



1918-1921

1818

1819

1820

1821

1.

2. *L. ...*
...

18.3 *Pereskia ...*

18.4 *Echinocactus ...*

18.5 *Gnaphalium ...*

18.6 *Coryphantha ...*

18.7 *Sedum ...*
 Dead, destroyed

18.8 *...*

18.9 *Coryphantha ...*

18.10 *Pereskia ...*

18.11 *Sedum compactum* Britton

Chico, Calif. U. P. ...
 ... Feb. 24, 1918

Bahia Brazil. L. Lehmann 1918

South Cal. Dr. Shantz 1918

Mexico
 1. ... Dr. Chaffey

Isthmus Tehuantepec Mex
 C. ...

Yucatan ...

Bahia, Brazil

Orlando Beck, San Antonio 71st, Southern Calif
 I N Johnston = 1814 March 24 1918

1813 Hasselthuis

18.15.1949

18.17 Dudleya

1819 Hylasius

1821 *Dudleya puberula*

18.22 Bull.

18.23 Sedum

Lone Bull, South of Bandana, Los Angeles
Cal. E. M. Johnston 1912

Cal. L.M. Johnston 1912
California, Birds South of Ontario.

2 m' filtration

Lucas on the Cañon, San Antonio Mts. San Bern Co. Cal.
J. M. Johnston. Apr. 17, 1918

San Jacinto Canon, San Jacinto Mts, Riverside Co.
Cal.
D. M. Johnston Apr. 3rd 1918

Stone Hill South of Glendora, Los Angeles Co. Cal.
J. M. Johnston Mar. 30, 1911

Hills S. of Antares. San Bernardino Co. Cal
J. W. Johnston. Mar 31, 1914

Honduras F. J. Dyer 1918

Daxia B. P. Jeko. 1918

Col. Chula Vista Cal. Aug 17/18

France Dr. Glover Wilcox 1918.
Mantoul

France, near Toul.
Dr. Glover W. Lloyd 1918

18.24 Sedum.

18.25 Agave lechuguilla

18.26 Opuntia

18.27 Lemniscatus

18.28 Acanthocereus

18.29 Echinocereus viridescens
Dead & preserved

18.30 Cactus dyeri

18.31 Opuntia occidentalis

18.32. Opuntia occ. dentata

18.33 Opuntia serpentina

18.34. Mammillaria dioica
Dead & preserved

18.35 Opuntia prolifera

Near Yonk, France

Dr. George W. Elcox

El Paso, Texas

E. O. Wooten

Tegucigalpa, Honduras.

A. 276. - J. J. Dyer, April 16, 1918

Tegucigalpa, Honduras.

A. 273. - J. J. Dyer, April 9, 1918

Tegucigalpa, Honduras

A. 272 - J. J. Dyer. April 9, 1918

Dr. Shantz

Southern Cal.

May 11, 1918

Comayagua, Honduras

George W. Ellis A 267

Southern California,

Dr. Shantz.

Southern Cal.

Dr. Shantz

Southern Cal.

Dr. Shantz

Southern Cal.

Dr. Shantz

Southern Cal.

Dr. Shantz

May, 1918

May, 1918.

May, 1918,

May, 1918.

May, 1918

May, 1918

1836 Tacunga funalis

^{Dead}
1837 Rhypsalis angustissima

1838 ^{3 specimens}
Mammillaria

^{Dead & present}
1839 Mammillaria similis
^{seeds}

1840 Opuntia

1841 Echinocereus
^{Dead & present}

1842 Echinocactus cylindricus 3 sp.

1843 Desma

1844
^{Orchid}

Bahia Brazil, September 1917

Costa Rica

Alfredo Brache

June 6, 1918

~~Obispo, H. C.~~

Near Mandan N. D.

June 1918

A. Ruth

Polylechnic, Texas

June 1918

Camp Hancock, Augusta, Georgia

Robert Leslie H. & Smith June 7, 1918

Eggston

1918

Southern California

S. C. Mason

June 1918

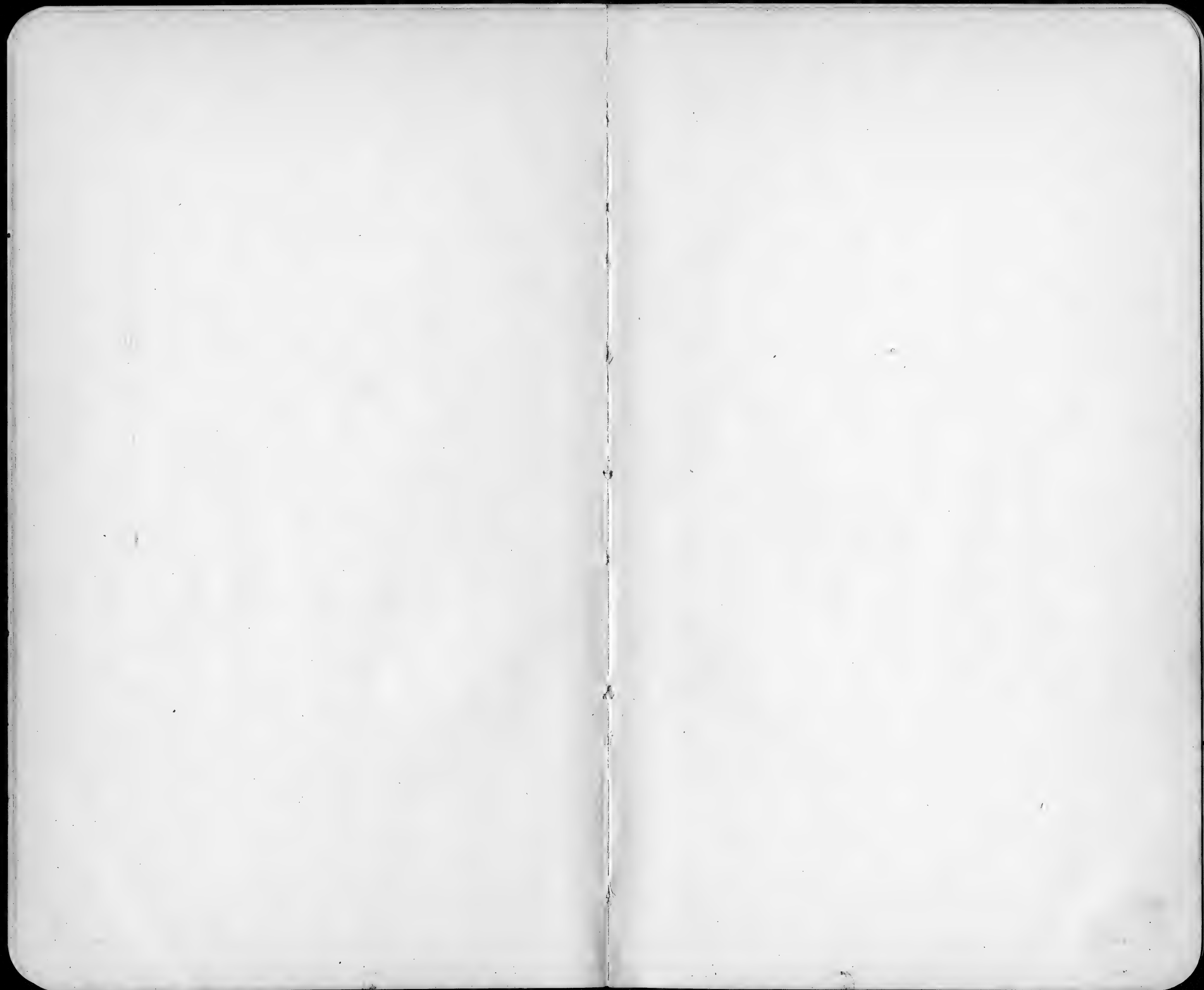
Honduras

Dyer

Near Zaragura

~~Endeavor~~

9/7/18



19.1 *Saintpaulia isanatha* 3 sp.

19.2 *Cereus setosus* 8 cuttings

19.3 *Cereus* night-blooming. 3 cuttings

19.4 *Grypanthe retusa* dead

19.5 *Diarrhea*
Dead & preserved

19.6 *Opuntia keyensis* Britton 2 cuttings

19.7 *Opuntia* 3 cuttings

19.8 *Opuntia macrantha* Gibbs 4 cuttings

19.9 *Opuntia tunoides* Gibbs 2 cuttings

19.10 *Echeveria* seeds

19.11 *Opuntia* *undulata*

Colombia, Medellin.

W. S. Wolcott. Nov. 8, 1918

Colombia, Medellin

W. S. Wolcott Nov. 8, 1918

Oaxaca, Mexico.

Dr. B. P. Rho

5,500 ft. alt.
Juzcaralpa, Honduras, 20 mi. n.w.
Finca de Dyer (A 302)

Hammock, Key Largo, Florida.

J. K. Small, April, 1916

Magangue, Colombia, (near)

J. W. Pennell, (46074) 1918

James Island, Charleston, S. C.

J. K. Small, Feb. 7, 1919.

Rockwell, S. C.

J. K. Small Feb. 6, 1919.

H. Patten (1919)

Los Chinos de Toluca, Mexico

Santa Cruz, California

J. P. Harrington Feb. 1919

Specimen No. 1. Distinguished by its
taller, almost tree-like growth, generally
larger size and good flavor of its
fruit. Often grows among the other species

19.12 *Opuntia* ~~concolor~~

19.13 *Opuntia* ~~concolor~~

19.14 *Opuntia* *farinosa*

19.15 *Calisia repens*

19.16 *Schlumbergeriana russelliana*

19.17 *Echinopsis multiplex*

but can be distinguished."

Santa Ynez, Cal.

J. P. Harrington.

Feb. 1919.

Specimen No. 3. "Distinguished by its lower growth (plant is practically identical with that of specimen No. 2) but has very small roundish fruit. No specimens of the fruit were obtainable."

Santa Ynez, California.

J. P. Harrington.

Feb. 1919.

Specimen No. 4. "Distinguished by its lower growth (plant is practically identical with that of specimen No. 2), but its very small roundish fruit has a sedate taste"

El Dorado Canyon, Clark Co., within 2 miles of Colorado River.

Joan Tidestrom, No. 8865, April 4, 1919.

Santo Domingo "

J. U. Rose No. 13,4175.

1913.

Brazil

J. U. Rose 21171

"U. S. G. No. 41330.

19.18 *Hylocereus cubanus*

19.19 *Opuntia emacea*

19.20 *Mammillaria*

1001 to 1013

~~19.21 *Opuntia emacea* - 1919~~

19.22 *Echinocereus mojavensis*

19.23 *Cryptantha chlorantha*

19.24 *Echinocactus wislizeni*

19.25 *Opuntia*

19.26 *Echinocereus rigidissimus*

19.27 *Echinocactus polyacanthus* ~~Dead~~

(after - Benth. 11/4/19)

19.28 *Echinocereus rigidissimus*

19.29 *Opuntia* seedling

19.30 *Opuntia* seedling

Jala Hills, Cuba.

Brother Seim,

St. George, Utah

1912.
J. Tidestrom

B.P. Wells

Carroll

1918

St. George, Utah

Ivar Tidestrom

May 1919

Green River Mouth, Wyo.

Harbor Key, S.W. Big Pine Key, Fla.

Paul Bartsch

Nogales, Mexico

J. J. Dyer (A 313) May 25, 1919.

Goldfield, Nevada

Ivar Tidestrom, (A 722) June 1, 1919.

Nogales, Mexico

J. J. Dyer (A 315) June.

"

"

"

"

(A 318)

(A 323)

19.31 *Opuntia* seedling

19.32 *Opuntia echinacea* (2) sent to
D. B. Butler

19.33 *Opuntia*

19.34 *Echinocereus rigidissimus*

19.35 *Echinocereus rigidissimus*

19.36 *Coryphantha vivipara* form

19.37 *Mammillaria urceola*
Dead & mounted

19.38 *Hylocereus calcaratus* B. & R.

19.39 *Hylocereus stenophyllus* B. & R.

19.40 Aloe

19.41 *Mesembryanthemum*

19.42 *Adiantum* 2 forms

19.43 *Opuntia*

Nogales, Arizona

7. f. Dyer (a 324) June
Goldfield, Nevada (9786)

Ivan I. de Soto,

Nogales, Mexico

a. 325 - 7. f. Dyer

June 5

June 1

a. 328

"

a. 331

"

a. 329

"

a. 330

"

San Marcos, Costa Rica

C. W. Erickson

"

Ch. Hypocistis

"

Petaluma, Sonoma Co. Cal.

George S. Yarn

Oct. Hardesty & South River, Anne Arundel Co. Md.

W. R. Maxon.

June 29.

19.44 Mammillaria

19.45 Phaedonassa bicolor
- Rose 22573

19.46
- Rose 22573

19.47
= 25849

19.48
- Rose 22573 fl. to 11.4. 9/1/19
buds to 10.4.19

19.49 Eucaea molayana Rose ref
Rose 22573

19.50 Phaedonassa bicolor ref
- Rose 22573

19.51 - Phaedonassa bicolor
- Rose 22573 = 19.52

19.52 Phaedonassa
- Rose 22573 fl. 7/1/19

19.53
- Rose 22573

19.54 Commelina
= Rose 22622

19.55
= 22295 (Lycotegia)

19.56

Near Comayagua, Honduras. A335
By the main Aguero, N. of Comayagua, Honduras, June 1919

July 9, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

(Rose Ecuador 1918)

- July 10, 19

(Rose Ecuador 1918)

July 10, 19

19.57

Agave intermixta Treb.
"Salsipuedes"

19.58

Zebranthus bifolia
"Bulbs of a lily"

19.59

Cactus

NY

19.60

"

NY

19.61

"

NY

19.62

"

NY

19.63

"

NY

19.64

"

NY

19.65

"

NY

19.66

"

NY

19.67

"Live Cactus, vizagueti"

2

1 y

19.68

Setcreasea

Common in Mexico = 07.183

19.69

Commelina

Dr. H. L. Abbott

Apr. 19.

Constantine, S. Domingo

Dr. W. S. Abbott

Constantine, S. Domingo

Dr. W. S. Abbott

Hondo Rio Grande Valley, S. Domingo May 8, 19

"

"

"

"

"

"

"

"

"

Dr. Relis

Oaxaca

Growing in cactus, green house

July 10, 19

Growing in cactus, green house

July 10, 19

1970. Calluna

71 *Echinocereus agalensis*

22

73. *Mariclaris* *Ward* 1901

74 *Opuntia* *Opuntia*

25 Nov 1944

No. 6. *Salmon*22 *Casperia drummondii*

28 March 1914

79 *Rathbunia*

80

81 *Mammillaria vivipara*

82 Pleasant, Wiscasset

Growing in F.V. dense soil, granite

July 18, 1912.

29. Eyer, Nagales, Ariz. May 31, 1919

AD 14 / 400 p. number of pages 1400

[illegible]

17. *Lyg. Niger*. Aug. 22, 1919

5303. (Caulis of woody, herb 1/2 m. in diam.)

Aug. 1905, Washington, D.C. June 17 - 1907

By Henry B. ... 1733

Cal. Legon, Arizona, (Shaffer, 1909-74)

Exp 1949 # 45496 Printed July 1949

Thomas - Day - Jr.

Seeds planted by Mr. Connel 7/1/11, 1/2 pound 7/1/11

D. C. Root

Colorado Street, Cal

1717

5. 11. 4. 73. 5. 12467

McDougal, Sonora Mex.

1922

July 1892

June 13, 1948

19.53. Opuntia

19.54. Stizolobium

80. Mammillaria

86. Mammillaria

87. Mammillaria

88. Mammillaria

89. Mammillaria

90. Eucroia morleyana
= 22593 - Rose 22593 fl. Aug 1920

- Rose 22593

91. Crassula rosularis

92. Crassula corymbulosa

94. Hylsioa andersonii var. andersonii

95. Mammillaria naedragalii

F. J. Dyer

Huaptes, Sonora
- Rose 2265! Cactus

July 13, 1919

Dr. Reber

Nuevo Laredo, Coahuila, Mex.

July 24, 1919

"

"

Ariz.

San Diego, Calif.

Aug. 1919

Ariz.

San Diego, Calif.

"

Cape Town, S. Africa

C. E. Hipsher, Barboursville, W. Va. 8/20/19

"

"

"

(Flourid July 1925)

E. E. Hipsher (Barboursville, W. Va. 8/20/19)

F. J. Dyer, (Mts. back of Nogales, Ariz.
(= A342) 8/3/19

1996 *Mamillaria macdougalii*
T.H.Y.

97 " " T.H.Y.

98 " " T.H.Y.

99 " *vivipara*
part to H.Y.

100. *Lobelia pentlandii*

101. *Opuntia pentlandii*

102 *Trichocereus candicans*

103. " *spachianus*

104. " *camp ochlorus*

105 *Momilla serendipita*

106. *Selenicereus hamatus*

107. *Harrisia*
(*Cereus atropurpureus*)

108 *Cereus zancasicus*

P.J. Dyer (with, Lillie no. of High School)
(= A 346) Nogales, Ariz. 5/10/19

(= A 347) " " "

(= A 348) " " "

(= A 349) 4000 ft. alt.

C.G. Abbot,

El Alto, above La Paz, Bolivia May 28, 1919.

Theodosia B. Shepherd Co.
Ventura, Calif.

Sept 2, 1919

19.109. *Sedum mollitellum*
-683

19.110. *Opuntia*

19.111. *Pelecophora fectinata*

19.112. *Mamillaria elongata* DC

19.113 *Mamillaria sphaecelata*

19.114 *Coryphantha pallida* W.

19.115

19.116 *Mamillaria missouriensis*

19.117 *Haworthia* sp.
(seedling)

19.118. *Rochia* sp.
(seedling)

19.119. *Aloe lineata*
(seedlings)

19.120. *Opuntia*

M. E. Jones, Mex.

Planted in greenhouse Sept. 27, 1919

Mrs. J. D. Moore, Houston, Texas

Sept 15, 1919.

^{Oaxaca}
Dr. B. P. Rebo, Mexico Sept. 30, 1919

5 to N. Y.; 2 to Mr. Root; 2 to Hipsher

Hills behind El Riego, Tehuacan Mex
Dr. B. P. Rebo (# 4212) Sept. 7, 1919.

"
(# 4210)

"
(# 4211)

J. E. Aspinwall, La Grange, Ky. 10/28/19

(Mr. 378) E. E. Hipsher.

Cape Town, South Africa

(Mr. 393) E. E. Hipsher

Cape Town, South Africa

E. E. Hipsher

Cape Town, South Africa

J. J. Dyer

Arizona close to ^{the} border "Mogale" 11/3/19

19.121. *Mamillaria*
19.122. *Echinocereus rigidodiscus*

19.123. ~~*Phyllocactus*~~
Gyrocactus truncata Sch. Bagn.

19.124. *Mamillaria lasiocantha*
var. *demundata*

19.125. " *micromeris*

19.126. " "

19.127. " "

19.128. *Opuntia pumila*

19.129. *Opuntia vulgaris*

19.130. *Opuntia leucostriata*

19.131. *Echinocactus recurvus*

19.132. *Mamillaria*

19.133. *Mamillaria pygmaea*

J. J. Dyer; from Honduras
Grewing at Nogales, Mex.

J. J. Dyer,
Nogales, Arizona

Specimens without data
except 6-3-18, M. Truitt

Canutillo Co.
Box 74, Canutillo Texas

" Found 28 mi
El Paso, Texas "

E. J. Huaco Mts. on ledge
Granite "

" " "

E. C. Root, Alhambra, Calif.

" " "

" " "

P. P. Rebo, Oaxaca, Mex.

" " "

" " "

11/3/19

11/2/19

11/29/19

11/21/19

" "

" "

" "

11/10/19

19.134. *Strophostyles helvola*

19.135 *Oplismenus brachycarpa* Small and

19.136 *Epidendrum tampense* Lucc.
Orchid

Seeds, J. M. Rose Atlantic City N. J.

Sept. 1919.

Shell mounds 5 m. South of Delora, Fla.
Nov. 30 1919

Florida (Exact origin unknown)
Print in dept of Ag. greenhouse Dec. 1919

20. 1. *Mammillaria recurvata*

2. *Opuntia dillenii*

3. *Mammillaria*

4. *Echinocactus bicolor*

5. " *conglomeratus*

6. *Coryphantha*

7. *Lophophora* ^{densely pruinose} *williamsii*

8. *Mammillaria elegans*

9. *Echinocereus pectinatus*

10. *Porestia Congatti*

11. *Echinocereus nicholsonianus*

12. *Echinocactus amicus*

13. *Rhipsalis*

Nogales, Mex.,

R. G. Dyer.

Terra Ceia, Fla.

R. Robinson

Matillo, Coahuila

B. P. Rebo

"

Matillo, Mex.

"

"

"

C. Congatti ^{ex 100} Received Feb 1920
Two seeds planted.

D. Schultze

Classen Ranch, Boca Co. Tex.

C. Congatti

Mexico

J. Stahel

Paramambo, Surinam

Jan. 1920.

Jan. 1920

"

Jan. 1920

March 1920.

20/14. *Mammillaria macronervis*
1 specimen

20/15 *Peperomia*
Dec 20/17 1 to Reid

20/16 "
= Rev 24078 1 to Reid

20/17 *Peperomia magnifolia* DC.
= 20/15

20/18 *Hyloteleium* 2 specimens

20/19 *Phyllocnistis cuniculata* (L.)

20/20 *Mammillaria radiosa* desertii Coulter

20/21 *Echinocactus polyacanthus*

20/22 *Mammillaria tetraancistra* (sometimes
called *M. phyllifera*)

20/23 *Echinocereus engelmannii*

20/24 *Epiphyllum weingartii*
dried

20/25 *Mammillaria*

20/26 *Mammillaria*

Rincon, New Mexico.

D. J. MacDougal, March 13, 1920.
H. E. Safford Florida

J. W. Rose near Huger, Ecuador

Royal Palm State Park, Palm Beach, Fla.
H. E. Safford (20/18)

to the U. S. National Herbarium

Partly type material from Rev. & Rose

S. C. Calif.

E. C. Root March 1920.

E. C. Root March 1920

E. C. Root March 1920

E. C. Root March 1920
(Cultivation). Darmstadt.

A. Berger March 1920

Mexico
O. Solis March 1920

- 20.27 *Mammillaria elegans*
 20.28 *Echinocactus grandis*
 20.29 *Echinocactus falconeri*
 20.30 *Echinocactus longhinatus*
 20.31 *Mammillaria karwinskiana*
 20.32 *Mammillaria* sp.
 20.33 *Echeveria spencei*
 20.34 *Solanum*
 20.35 *Cactus*
 Desfontainii
 20.36 *Cactus melacactoides*
 20.37 *Rhipsalis*
 Growing on *Anacardium occidentale*
 20.38 *Echinocereus orcutti*

Mexico
 Oclavito Solis

March, 1920

"

"

"

"

"

Ecuador

1918

J. H. Rose.

Calama, Chile

March 1920.

"Near sea-strand, some kilometers north
 of the light-house at Pitiúba [Brazil]
 on the hills of pure white sand"

J. Zelentner

2/13/20

Munitiba, vicinity of Cachoeira and
 S. J. Cox.

2/13/20

J. Zelentner

Capt. Collett, Lower Calif.
 C. R. Orcutt

July 1919

20.39. Mammillaria

20.40. Echinocactus

20.41. Mammillaria heyderi

20.42. Echinocereus espinacanthus

20.43. Echinocereus reichbachianus

20.44. Dudleya brauntonii

20.45. Rhipsalis jamaicensis

20.46. Opuntia dillenii

20.47. Rhipsalis corymbosa

20.48. Cactus macleodii

20.49. Mammillaria similis

Between 140 miles of Jackson, Arizona
Desert House

Near San Antonio, Texas

near New School

11

11

11

From Type Locality E Braunton

Near Los Angeles, Calif

Mason & Kelip #1509. Ipecac

Near Port Antonio, Jamaica

Mason & Kelip #1702

Mason & Kelip #1874

W. p. River Valley, near Rochford, Jamaica

Mason & Kelip #1725

Ogby, Texas

G. Smith

Height 3 ft. across

1920

4/20/20

4/23/1920

4/1/20

4/20/20

4/24/20

20.50 Echinocactus cylindricus

20.51

Maryland

20.51 Utricularia minutiflora

1 to 4

20.52 Epiphyllum

Ocell

20.53 Scamnia testuata

1 to 4

20.54 Epiphyllum phyllanthus?

20.55 Opuntia boldingii B. & P.

20.56 Hyloterpe linearis B. & P.

20.57 Lemniscata

20.58 Rhipsalis

20.59 Opuntia

20.60 Opuntia aurea

20

1918

Porto Rico (1918) (Cuba)

1918

Guatemala

May 1920

Harney Johnson #15 (164)

"

"

"

"

#16 (165)

#17 (166)

Barro Colorado, Surinam

General Staked #1 May 1920

#2

#3

#4

#5

(Key B 2) Big Pine Key, Fla.

J. R. Small

1919

"

Cape Sable, Fla.

1916

- 20.61 *Opuntia*
 20.62 *Opuntia*
 20.63 *Opuntia macrantha*
 20.64 *Opuntia*
 20.65 *Opuntia*
 20.66 *Opuntia anomopilella*
 20.67 *Opuntia dummarumii*
 20.68 *Opuntia*
 20.69 *Opuntia keyensis*
 20.70 *Mammillaria radialis*
 20.71 " "
 leachii
 20.72 " "
 grahamii
 20.73 *Echinocereus emmaceus*

- 4/10/99) Rockville, S.C.
 J. K. Small 1919
 " " Nauma, La.
 W. W. W. 1919
 " Charleston, S.C.
 J. K. Small 1917
 "ignum Vitae Key, Fla.
 J. K. Small 1919
 " Cape Sable
 J. K. Small 1917
 " Lake George, Fla.
 J. K. Small 1918
 " Charleston, S.C.
 J. K. Small 1917
 " Apalachicola, Fla.
 J. K. Small 1916
 " Whistler Key, Fla.
 J. K. Small 1917
 " 3 f. Patton
 " Little, S. C. (B1) May 1920
 " " (B2) "
 " " "
 " " "

20.74 *Echinocereus Texensis*

20.75 *Mammillaria*

20.76 *Opuntia leptocaulis*
Dead or preserved

20.77 *Stenocereus*
= Rose 24087, Ecuador 1918

20.78 *Synanthes*
= 23153 Rose Ecuador 1918

20.79
= 22581 Rose Ecuador 1918

20.80 *Fragaria*

20.81 *Fragaria* 1 spec. of seed
Plant sent to University of Michigan

20.82 *Nesocentherus ventralis* n. sp.
Rose

20.83

Seeds of _____

20.84 *Echeveria leucotricha*

20.85 *Echeveria setosa*

Ellen Schultz, San Antonio, Tex.
June 1920

J. N. Rose; Mts. south of Guano, Ecuador

Thames
Hove B. Wilcox 1919

Thames
Hove B. Wilcox 1918

J. R. Greath
La Jolla, Calif. 6/15/1920

Arizona; Dr. Hough

Darmstadt, Ger. (cult.) June 1920.

A. Purpus June 1920

"

"

"

- 20.86 *Echeveria pilosa*
 20.87 *Urbimia purpurascens* x
Echeveria setosa
 20.88 *Rhipsalis tondusii*
 20.89 *Rhipsalis wercklei*
 20.90 *Rhipsalis clavata*
 20.91 *Rhipsalis wercklei*
 20.92 ~~*Gygisactis*~~ *bridgesii*
 20.93 *Gygisactis delicatulus*
 20.94 *Alnus*
 20.95 *Rhipsalis shapensis*
 20.96 *Rhipsalis* ?
 20.97 *Rhipsalis platycarpus*

Darmstadt, Ger.

A. Purpus

June 1920

"
 A. Berger, Stuttgart, Ger.

"

"

"

"

"

"

"

"

"

"

"

"

"

"

(Pachano #102 - Ecuador

June 1920

Pozada, Arg. (M. B. G. 48548)

Shefer #134731

1917.

Rislogau. Bray. (M. B. G. 43055)

J. M. Rose #20400

1915

Orgau - Miszoo, Bray. (M. B. G. 43055)

J. M. Rose #21159

1915

- 20.98 *Acanthocereus brasiliensis*
 20.99 *Cereus polyrhizus*
 20.100 *Arrajadoa penicillata*
 20.101 *Rhipsalis sulcata*
 20.102 *Nariceta salicornioides*
 20.103 *Rhipsalis elliptica*
 20.104 *Rhipsalis clavata*
 20.105 *R. cassytha*
 20.106 *Peperomia*
 20.107 *Peperomia galvieses Kunth*
 20.108 *Rhipsalis pachyptera*
 20.109 *Rhipsalis crispata*

- Villa Nova, Braz. (NyB 42858)
 J. H. Rose # 19735 1915
 Weinboz (NyB 14641)
 Machado Portello, Braz. NyB 42982
 J. H. Rose 19913 1915
 (NyB 16082)
 Bot. Gard, Berlin 1902
 Suion (NyB 6166) 1901
 Brazil (NyB 43167)
 Rose 20874 1915
 Brazil (NyB 43065)
 Rose 20403 1915
 " (NyB 43015)
 19596
 Ecuador (NyB 46610) "
 J. H. Rose 1918
 Ecuador (NyB 46607)
 J. H. Rose = 24094 1918
 Rio de Jan., Braz. (NyB 43023)
 J. H. Rose 20332 1915
 Organ. Mts, Braz. (NyB 43441)
 J. H. Rose 21154 1915

- 20.110.1
 20.111 *Rhipsalis mesellii*
 20.112 *Pachyphytum amethystinum*
 20.113 *Monvillea*
 20.114 *Hyllocercus*
 20.115 *Rhipsalis dissimilis*
 20.116. " *oblonga*
 20.117. *Arrajadoa rhodanthus*
 20.118 *Rhipsalis*
 20.119 *Borjicactus*
 20.120. *Cotyledon orbiculata*
 20.121 *Rhipsalis mexembrianthum*

- Corozal, Colombia (Nyp 3946068)
 J.W. Pennell 1918
 Joca de Oca, Brazil (Nyp 3942979)
 J. Rose 20106 1915
 (Nyp 3941201)
 J. Rose 2993 1906
 Trinidad, Paraguay (Nyp 3945510)
 J. A. Shapley #133 1917
 Yucatan, Mex. (Nyp 3945882)
 G. F. Gaumer 23428 1917
 Brazil
 Rose 20707 1915
 " "
 Rose 20249 "
 " "
 Rose 19791 "
 Ecuador "
 Rose 23247 1918
 Cotamaya Valley, Ecuador
 Rose 23029 1918
 " "
 Weinburg 1906
 Brazil
 Rose, 20246 1915

- 20.122 *Cereus*
 20.123 *Cephalocereus leucostichus*
 20.124 *Schlumbergera*
 20.125 *Zygocactus*
 20.126 *Rhipsalis dissimilis*
 20.127 *Cephalocereus phaeacanthus*
 20.128 *Epiphyllum mayoni*
 20.129 *Cereus polyrhizus*
 20.130 *Rhipsalis radicans*
 20.131 *Hyllocereus*
 20.132 *Monsvillea*
 20.133 *Albizzia*
 20.134 *Pereskia aculeata*

- Paraguay
 Schaffer 1500a. 1919
 Brazil
 Rose 19902 1915
 Brazil
 Rose 21170 1915
 Argentina
 Rose 20901 1915
 Brazil
 Rose 20707 1915
 Brazil
 Rose 20095 1915
 Weinburg 1901
 Weinburg 1902
 Weinburg
 Brazil (My 13.9.48054) 1915
 Rose
 Venezuela
 Rose 21870 1916
 Guayaquil, Ecuador
 Rose 22117 1918
 Africa (large spreading tree)
 H. L. Shantz (B 129 49288) Reid 1/29/20
 (fruit yellow, 5 in. diam.)
 " (B 129 49311)

20.135 *Rhipsalis pittieri*
(dead) ~~25th~~

20.136 *Rhipsalis*

20.137 *Mammillaria macrocarpa*

20.138 " *tuberculata*

20.139 " *tuberculata*

20.140 *Coryphantha multiflora*

20.141

Missing

20.142 *Harrisia*

20.143 *Epiphyllum phyllanthus*

20.144 *Chiotocactus baueri*

20.145 Missing

20.146 *Cereus*

H. Pittier, Valencia, Venezuela.

June 1920

Mrs. S. F. Pittier, Cametillo, Texas

July 1920

"

"

"

"

"

"

Bot. Gard., Asuncion, Paraguay

~~Dr. C. F. Schlegel~~ (#1)

Rec'd 7/10/20

Dr. C. F. Schlegel

#2

#3

#4

#5

#6

20 147 ~~Echinocactus~~
Fourea furcata (Lamour.)
20 148 Echinocactus schumannianus
Dead & destroyed

20 149 Cereus

20 150

20 151 Wilnottia minutiflora,
Monarda spegazzinii

20 152 Cereus

20 153 Opuntia

20 154 Opuntia (150)

20 155 Melocactus coccineus

20 156 Rhipsalis shaperi R. B.

20 157 Opuntia

20 158 Opuntia

Dr. C. Diebrüg
Magway (16.1)

#7

#8

#9

#10

#11

#12

#13

#14

#15

#16

#17

#18

20.159 *Hammaria*

20.160 *Carex*

20.161

Seeds (moss black)

20.162

Seeds (waxy)

20.163 *Diocha*

Seeds

20.164 *Rhynchospora crassifolia*

20.165 *Rhynchospora tenuifolia* baccifera

20.166 *Epiplyllum*

20.167 *Epiplyllum macrophyllum*

20.168 " *grandifolium*

20.169 *Hylaeum stenophyllum* Hoff.

Guaymas # 19

20

Guaymas Bot Gard.

"

"

Guatemala, H. G. Gomez

223

7/12/20

224

225

Costa Rica, W. P. P. P.

406

7/12/20

403

404

20. 170 *Epiphyllum naborum*

20. 171 *Kalanchoe spatulata*

20. 172 *Marpesia muscosa*

20. 173 *Aloe lineata*

20. 174 *Eucharis grandiflora*

20. 175 *Phyllocactus chiapensis*

20. 176 *Mammillaria donatii*

20. 177 " *waltonii*

20. 178 *Cereus spegazzini*

20. 179 *Mammillaria cartoni*

20. 180 *Rhipsalis warningiana*

20. 181 " *chloroptera*

F. E. Hufschler, Barboursville, W. Va.

" ^{Bangal}
(from India) 7/12/20

"

" (Cape Town, Africa.)

Ecuador, J. M. Rose 1918

²³⁶²⁷
Erfurt, Germany, Margot Schmitt

- 20.182 *Echinopsis* ⁱⁿ *myra*
 20.183 *Mammillaria* ^{dead} *lewisi*
 20.184 " *schubertii*
 20.185 " *bruceana*
 20.186 *Rhipsalis chrysocarpa*
 20.187 *Mammillaria* *bruceana*
 20.188 " *poterius*
 20.189 *Phyllocactus chiapensis*
 20.190 *Cereus laurizii*
 20.191 *Opuntia clavata*
 20.192 " *derffii*
 20.193 *Polypodium*
 = 24088

Quiza, Ecuador J. R. Rose
 Aug. 21-28, '18
 Sept

20194

Philippia portulacastrum L.

20.195 *Opuntia*
2 specimens

20.196 *Mammillaria prolifera*

20.197 *Pereskia portulacastrum* D.C.

20.198 *Opuntia nanuscula*

20.199 *Selenicereus*

20.200 *Selenicereus*

20.201 *Opuntia pallida*

20.202 " "

20.203 " "

20.204 *Cephaocereus polylophus* (Lam.) Benth

20.205 " "

Calamagrostis

1920

Beaufort, N. Carolina
R. L. Barney

July 1920

Haiti (746)
W. S. Abbott & E. C. Leonard

1920

Haiti (850)

E. E. Hefner
Yucca, Arizona

1918

E. C. Leonard
Haiti (1281)

1920

Received through W. E. Safford
St. Thomas Virgin Islands

Milwaukee, Del.

Small
Rehoboth, Del.

July 30, '20

" Cape Charles, Va

" 29 "

Port au Prince, Haiti
Leonard #5316
Leonard

7/18/20

5317

July 20

20. 206 *O. dilleni*

20. 209. "

20. 210. *O. cantharus*

211 *O. Tayleri* B. & R.

212 *O.*

213 *O. monilifera* (T.) Hand.

214 *Luminoceana lyptrix*

215 Not used

216 *Cerms heparomus*

217 *Leptocermus*

218 *Selenicermus*

207 *Harpinia nashii*

208. *Nopalea cochenillifera*

P. au. P. Haiti

E. C. L. 5318

Gonavi 72. Haiti

E. C. L.

5319

P. au. P.

5320

P. au. P.

5321

Touche Verettes

5322

P. au. P.

5323

"

5324

"

5325

Pétionville

5326

P. au. P.

5327

"

5328

"

5329

Gonavi 72.

5330

7/14/20

July/20

7/14/20

7/14/20

"

6/25/20

7/14/20

"

July/20

20.217. *Mammillaria vivipara*
(209)

20.220 *Mamm. zempaei* (2)
(210)

20.221 *Mammillaria* sp.
(211)

20.222 *Pseudocylindropuntia*
(212)

20.223 *Opuntia Milleri* n. sp. (1)

20.224
(213)

20.225 *Mammillaria nivea*

20.226 " *erecta*

20.227 " *elegans*

20.228 *Psoralea*

20.229 *Opuntia*

20.230 Seeds of *Epiphyllum pumilum*

20.231 Seeds of *Echinocactus* sp.

Boulder, Colo.
D. M. Andrews

8/16/20

"

"

Sonora, Mexico
Dr. Wm. Kew
Luzman
J. Stahel

Aug. 1920

Aug. 1920

Quito, Ecuador

Rev. Louis Miller

Aug. 1920

Los Angeles, Calif.
Carl Achermann

8/12/20

"

"

El Paso Tex.

9/7/20

On limestone rocks, near
Mechanicburg, Pa., J. K. Small 8/20/20
Chama, Valle de Mariposa, Guatemala
Harry Johnson 1920

Painted Desert, Arizona
W. N. Clute Aug. 1920

20.232 *Stenomessum hartwegii*

20.233. *Phacelanthus chlorocera*

Found Nov 26 1919

20.234 *Echinocactus*

20.235 *Coryphantha pyramidalis*

20.236 *Echinocereus triglochidiatus*

20.237 *Opuntia opuntia*

20.238 *Mammillaria*

20.239 *Opuntia opuntia*

20.240 *Opuntia whipplei*

20.241. *Mammillaria echinocera*
Dead - preserved

20.242 " *argentea*

20.243 *Opuntia*

Pinus trichocarpa, above Chinto, Ecuador,
9500 - 11,000 ft. 20 July

L. Söderström

8/11/20

Guaipulo, above Mashangora River,
Ecuador. L. Söderström

8/11/20

Painted Desert - Arizona
McClure

1919

Caxaca, Mex.

C. Conzatti

Sept. 1920

Lamy, New Mexico

J. H. Terris

9/15/20

Lamy, Ind.

J. H. Terris

"

Grand Vicos, Grand Canyon, Ariz.

J. H. Terris

"

"

"

Painted Desert, near Tuba, Ariz.
"Cane skirt", w. clute (J. H. Terris)

Pajarita Mts., Ariz.

J. H. Terris

9/15/20

Nacijo Co., Ariz.

J. H. Terris

"

Santa Rita Mts. (near ground)
W. H. Clute

"

20.244 *Rhipsalis purpurea*

20.245 "

20.246 *Melocactus*

20.247 *Cereus*

20.248 *Mammillaria saxatilis*

20.249 *Epiphyllum*

20.250 "

20.251 *Decasia*

20.252 *Cereus acanthophorus*

20.253 " "

20.254 *Rhipsalis coccinea*

20.255 *Urena lobata*
tagi seeds on monkey

20.256

Urena "

Finca Mostro, Chiapas, C. R. P. P. P.
Sept. 1920. #9 9/15/20

"

"

#1

San Jeronimo, Oaxaca

"

#6

Barraanca de Barraanca

"

Tanampa #7

Via Ant.

"

"

Chiapas, Mex.

"

#8

Barraanca de Tanampa

Via Ant.

#10

"

Chiapas

"

#3

Barraanca de Tanampa, Via Ant.

#11

"

Panaya

#4

"

"

#2

Finca Congo, Igovi

6/2/18

"

"

"

20.257. *Mimosa* *Alca*

25 257 71 25 257 71 25 257 71

2027 Quana

24.260 *Uro. murina* bicolor.

26 261 Mammalian reactions.

20 262 11 *macromera*

40. 243 *Echinocactus horizontalis*

20.204 Mammillaria nivea

20.264 : Harmon. of

Di 267 *Urena frondosa*

20 248 13900

Sorts of specimens required will be described in the questionnaire.

Los Angeles, Calif.
Carl F. Hermann

9/20/20

Camtilla, Texas

Wm. S. F. Portman

9/20/20

1000

—Mortimer
—S.

Los Angeles, Calif. 9/20/20
"Carl Asherman"

Exp. 4. Red Soil Carbon Foot-prints

Grand Canyon

[Faint handwritten notes]

Threat of Lopez Ecuador River - 1916

20.254 *Pigeon*

20.270 *Aporosa*

20.271 *Mammillaria*

20.272 *Mammillaria longicaulis*

20.273 *Opuntia*

=#1

20.274 *Mammillaria humilis*

=#2

20.275 *Mammillaria*

=#4

276 *Mammillaria rosea*

=#7

277 *M. brandegei*

=#6

278 *Echinocactus*

=76

279

Seed with some package

280 *Jacquinia mollissima*
seeds

San Pedro Ecuador,

Oct 17 1918 JPH

Cerro de San Felipe, Barro Colorado

C. Conzatti

9/24/20

"

"

North of Arroyo, Santa Dominga, Lower
Calif. New? Marlandia or C. Los Angeles Sept. 1920

Las Arroyas peak, S.W. of
Concordia or near Rancho San Benancio
W.S. Co. New.

"

Be Loma Canelo, ne. of Arroyo Santa
Dominga, Lower Calif. W.S. Co. New.

"

"

"

=23970, yellow Ambato, Ecuador

20.281 *Rhipsalis micrantha*

20.282 *R. madagascariensis*

283. *R. tetragona*

284. *Epiphyllum obtusangulum*

285. *E. " delicatum*

286. *Rhipsalis gracilis*

287. *Pediacactus robustus*

288. *Mammillaria celsiana*

289. *Epiphyllum oxypetalum* ^{Cruz 4689'1}

290. *Cereus hexagonus*

291. *Epiphyllum phyllanthoides*

292. *Epiphyllum*

San Bot. Gard.

M. T. Briston

Sept. 1920

"

"

"

"

"

Washington (State)

Oct. 1920

Saddle Mts, west of the Columbia, back from
the Sentinel Bluffs" 1700-2300 ft ^{in a mesa}
Alturas de Papalo, 2100 m.

Cincatlán, Oaxaca 10716/20

Guaduas, Cundinamarca, Colombia
W. Popenoe 474 (SP. 9.51559)

"

"

472

(51556)

Tacatativa,

"

475

(51560)

"

471

(51561)

20.293 *Hylodactylus*

20.294 *Echinura*

20.295 "

20.296 "

20.297 "

20.298 "

20.299 "

20.300 *Mammillaria*

(*complanata*)

20.301 *Mamm. retusa*

(*complanata*)

20.302 *Mamm. apiculata*

20.303 *Mammillaria* (*complanata*)
= *complanata* 20.291

20.304 *Mammillaria*

20.305 *Mammillaria*

La Esperanza, Dept. Cundinamarca
Colomb., W. Popenoe #173 (51565)

Chamela, Calif #1
E.C. Root

Oct. 20, 20

#2

#3

#4

#5

#6

Yayaca, Mex. #1

Octavio Solis

10/14/20

" #2

" #3

San Juan del Rio, Queretaro #4

Cerro de Buenavista, Queretaro #5

San Juan Teotihuacan, Mexico #6

20. 306 *Mammillaria* ^(Coryphantha) _{unsp.}
20. 307 *Mammillaria* ^{unsp.} _{cuneata} Guac.
20. 308 *Mamm.* ^(Coryphantha) _{retusa}
20. 309 *Mammillaria*
20. 310 " "
20. 311 " "
20. 312 *Opuntia*
20. 313 " "
20. 314 *Echinocactus setosus*
20. 315 " *dorenborgii*
20. 316 *Urtica purpurea*
20. 317 *Echinocactus setosus*

- Tlalpam, D.F. Mex. #7
- O. Solis
- #8
- Guanaxuato
- Oaxaca #9
- Buenavista de Cuellar, Guac. #10
- Oaxaca #11
- Villa de Guadalupe, D.F. #12
- Valley of the Honda River, east of
Roswell, Texas; E. C. Prentiss
Low hills just west of the station of
Los Hornos, about 20 mi. N. of El Paso
E. C. Prentiss
Mexico - C. A. Pope Oct 1919

20.318 *Opuntia littoralis*

20.319 *O. occidentalis*

20.320 *Echinocactus torreyi*

20.321 " *setispinus*

20.322 " *hamatocanthus*

20.323 *Mammillaria Remyana* H.

20.324 *Echinocereus lausonii*

20.325 *Mammillaria pycnantha*

20.326 *Mammillaria*

20.327 *Echeveria setosa* x *Urbiniana*

20.328 *Phyllocactus draparnaudii*

20.329 *Rhipsalis purpurascens*

Between Santa Barbara & Ventura
California - D.T. MacDougal 10/30/20

On rocky limestone outcrops, 3 mi.

North of San Luis Obispo on the slopes
facing southward from Santa Rosa

D.T. MacDougal
Brownsville, Texas

Rolito, Pinar del Rio

10/28/20

11/1/20

" "

" "

" "

" "

Cerro de El Palo, 1700 m.

Cadessa, Mex. Cruzatti #1525 2/21/20

Cerro de San Antonio de la Cal.

1700 m. Cruzatti #149 2/18/20

Mexico: C. O. Purpus Oct. 1920

" " "

" " "

20. 330. *Mammillaria longata*

331. *Mamm. celsiana*

332. " *pyramantha*

333. " *pandolopentula*?

334. " *retusa*

335. " "

336. " *inf.*

337. " *karwinskii*

338. *Echinocactus setispinus*
~~= 20345~~

339. *Echinocereus blanckii*
~~= 20346~~

340. *Mammillaria scolymoides*

341. " *tuberculata*

342. *Echinocereus*

343. "

Louisa Calif. W. S. Kew 1920

Alturas de Papalo, 2100 m.

Cincañán, Oaxaca, C. Conzatti ^{4488 1/2} 10/17/20

Cuesta de Huanchillo, 1800 m.

Nochistlan, Oaxaca 3973 1/2 5/25/20

Do.

3974 1/2

Canteras de Xicotl, Oaxaca

1500 m. C. Conzatti 4093 1/2 10/31/20

Cerro de Tlacolula, 1625 m.

Cerro de Tlacolula, Oax. Mex. ^{3928 1/2} 4/15/20

Cerro San Felipe, 2500 m.

Cerro del Centro, Oax., C. Conzatti 4048 m.

Canteras de Xicotl, Oax., 1550 m.

C. Conzatti 4092 1/2

San Antonio, Tex. E. D. Schulz 200' 20 10/31/20

Brownsville, " R. Runyon "

16 mi. N. Rio Grande & Mexico (Luteo Dec. 7)

4.5 mi. SW of Brownsville

Sanderson, Texas MacDougal & Shreve

Dec. 1920

20. 344 *Calumicaster striatum*

~~345~~ ~

346. *Epiphyllum cartagense*

347. " *mayoni*

348 " *strictum*

20. 349 *Pedocactus arizonae* or

20 350 *Furcraea 'elegans'*

20. 351 *Cactus fonscolombei*

Brownsville, Tex. Robt Ramsey 1920

Sp. ~

N.Y.B.G. #24944 (Mason #10)

Weinberg 1291 (Myr 39)

(Mason #11)
Myr 291 #24938

New Tucson Dr. Vorhies 1920

St. Green House as to 38730

Aug 21 1920
Hark Mr. Pilkington 1920

21.1

Orchid (pend.)

21.2 *Echinocactus* sp.

21.3 *Mammillaria pseudoperbella*

21.4 *Echinocactus texensis*

21.5 *Mammillaria*

21.6 *Leprosorum schottii*

21.7 *Mammillaria venusta*

21.8 *Opuntia invicta* Brandegee

21.9 *Echinocactus parvirens*

21.10 *Mamm. longicoma*

21.11 *Mamm. roseana*

21.12 *Pachypurus*

Jursey, Haiti, E.C. Leonard # 1732

Brownsville, Texas

Root Runyon 12/26/20

Cerro del Rosario, Oaxaca, Mex.

C. Conzatti 4098 12/18/20

Dallas, Texas

J. R. Atkins

12/18/20

Lower California

W. S. Kew

Dec. 1920

La Junta on Colorado River
Arroyo Colorado, La Junta

11/3/20

Near Boca de Guadalupe

Lower Calif. W. S. Kew

Arroyo Coyote-trail of Arroyo

Carol, Lower Calif. W. S. Kew 11/1/20

"Hillside" at base of hill of hill

Cerro Colorado, S.W. of La Junta

Lower Calif. W. S. Kew 11/10/20

Aguaquitos, near San Hilario

Lower Calif. W. S. Kew Dec. 1920

221.13 *Lemaireocereus thurberi*

221.14 *Passiflora rubra* L.

221.15 *Passiflora maliformis*

221.16 *Neobenthamia paniculata*

221.17 *Pereskia portulacifolia*

221.18 *Harrisia*

221.19 *Cephalocereus*

221.20 *Mammillaria*

221.21 *Wilcoxia poeppigii*

221.22 *Echinocereus*

221.23 *Echinocactus setispinus*

221.24 *Opuntia schottii*

Lower Calif.,

W. S. Kew

Dec. 1920

Branch of Cayajana River, Barro Colorado, Sta. Clara, Cuba, 8/12/13
Guadalupe, Cundinamarca, Colombia

W. Poore 11/24

Cul-de-Sac, near Port au Prince, Haiti

H. M. Pilkington

"

"

"

"

"

"

Lower Calif., W. S. Kew

Dec. 1923

Brownsville, Texas,

R. Runyon

12/29/20

"

"

"

"

"

"

21.25 Passiflora repens

21.26 Passiflora

21.27 "

21.28 " hastata

21.29 Rhipsalis

21.30 Mediosaccus

21.31 Epiphyllum

21.32 Cereus ~~epistylus~~ hexagonus

21.33 Acanthocereus

21.34 Rhipsalis
arborescens

21.35 Oxalis crassicaulis Bacc.

21.36 Tacsonia pinnatifida Jess

Purcy, Haiti; Leonard 4221

" " " 4267

Petionville " " 4279

Coban, Guat,

N. Johnson #213

Cartago, Valle del Cauca, Colombia

W. Popenoe #513

do

#514

Caldas, Colombia

W. Popenoe #515

Cartago, Valle de Cauca, Colombia

#516

do

#517

Near San Miguel, Perdomo, Tolima,
Colombia, Popenoe #518

Peru; Prof. Crocker, then D.S. Johnson

Thick stems, green trifoliate leaf, leaf stalks

Nemacón, Cundinamarca, Colombia

Popenoe #1028 9/7/20

Usually neglected, some are green June 26, 1907

Col. at San Gallen, Peru. 1365 ft. by Chant.

- 21.37 *Echinocactus*
1
- 21.38 *Echinocereus*
3
- 21.39 " "
1
- 21.40 *Echinocactus setispinus*
2
- 21.41 *Mammillaria*
1
- 21.42 " "
1
- 21.43 " "
1
- 21.44 *Echinocereus*
- 21.45 *Echinocactus texensis*
- 21.46 *Mammillaria*
- 21.47 *Mammillaria sphaerica*
6
- 21.48 *Echinocactus*
- 21.49 " "

- Confederal Ranch, 24 mi. n.e. of
Brownsville, Cameron Co., Tex. R.D. Camp 12/6/20
- Indios Ranch, 20 mi. n.e. of
Brownsville, Cameron Co., Tex. 12/1/20
- San Juan Ranch, 25 mi. n.e. of
Brownsville, Cameron Co., Tex. 12/20/20
- Cameron Co., Tex. 12/1-120
- " " " "
- " " " "
- 10 mi. n.e. of Brownsville, Cameron Co.
Tex. 11/1-120
- Near Salt Lake in North End of
Hidalgo Co., Tex., 20 mi. n.w. of Rayfordville 12/12/20
- San Juan Ranch, 25 mi. n.e. of
Brownsville, Cameron Co., Tex. 12/10/20
- Near Brownsville, Cameron Co., Tex.
Nov. 1920
- San Juan Ranch, 25 mi. n.e. of
Brownsville, Cameron Co.
- 10 mi. n.e. of Brownsville, Tex.
Nov. 20
- Represa, Ranch, 17 mi. n.e. of
Brownsville 12/19/20

21.50 *Echinocactus*

21.51 *Mammillaria grahamii*

21.52

21.53 *Echinocactus setispinus*

21.54 *Passiflora imbricata* Sw.

21.55 *Lophophora williamsii*
"v. chalcote"

21.56 *Mammillaria multiceps*
(*M. texensis*)

21.57 *Echinocereus*

21.58⁹ *Echinocereus rigidissimus* Kunze

21.58 *Mammillaria*

21.59

21.60 *Mammillaria macromeris*

Indio Ranch, 20 mi. n.e. of
Brownsville R.D. Camp, Nov. 1922

Santa Rita Mts., Ariz.
V. Bailey 1/1/21

Arizona

Near Brownsville, Tex.
R. Runyon Dec. 1920.

Panay, Haiti
Leonard #4682

Starr County, about 5 miles down
the Rio Grande from Big Bend City on on
Cuth Loma. Robt. Runyon 1/23/21.
20 miles from Brownsville, Tex.
R. Runyon Jan. 8, 1921.

Continental, Arizona 2/11/21
Vernon Bailey

Cannell, Tex. S. L. Pattison 2/22/21

Texas
Mrs. S. L. Pattison 2/28/21

- 21.61 *Mammillaria macronis* (form)
spines mostly all white
- 21.62 *Mammillaria mexicana*
(3 plants)
- 21.63 *M. tuberculata* (1 plant)
- 21.64 ^{= *Escobaria*} *M. tuberculata* form (2 small plants)
- 21.65 *M. lasiocantha* (3 small plants)
- 21.66 *M. mesacantha* (H.)
- 21.67 *Agave antillarum* Desv.
- 21.68 *Mammillaria macdougalii*
- 21.69 *Mammillaria shrevei*
- 21.70 *Echinocactus* ^{in tortilla} ~~erectus~~ ^{*macranthus*}
- 21.71 *Mammillaria shreveana*
- 21.72 *Echinocereus fendleri*
- 21.73 *Mammillaria*

Texas, Camarillo
Mrs. S. L. Patterson

Vic. of Mission, Pinalo Verettes, Nanti
F.C. Leonard # 3968.
Santa Rita Mts., north base at 12 1/2/21
McCleary Ranch, Arizona, 4000 ft. alt.
V. Bailey
do.

Southeastern Ariz. J.W. Gidley
Mar. 1921

~~21.73 Mammillaria~~

21.74. *Gymnocarpium sagittalis*

21.75. *Malacocarpus*

21.76 *Mammillaria shreveana*

21.77 *Echinocactus orcutti*

21.78 *Mammillaria arizonica*

21.79 *Echinocactus rigidissimus*

21.80 " *pedleri*

21.81 *Echinomastus*

21.82 *Mammillaria grahamii*

21.83 *Mammillaria greggii*

21.84 " *meisneri*

Lagunillas, Bolivia
R. L. Forte

July, 1920.

"
Continental Ariz.
V. Bailey

Mar. 8, 1921

Benson Quadrangle, Arizona

H. A. New Ranch, sec. 28 T15R19E

on crest.

quartzite, gravel & limestone

Kirk Bryan Mar. 1921,

"

"

"

Tucson Quad, Ariz. S. slope Cross
Cut, sec. 23, T16S R17E in

Quartzite Talus, Kirk Bryan 2/5/21

Huaco Range, 35 mi. east of El Paso, Tex.

Wm. L. F. Patton

Mar. 9, 1921

21.85 Mammillaria

21.86 " tuberculata

2087 " Macromeria

21.88 Maxilla

21. 89 *Coloniceras* *schuchertianum*

21:90. Mammellaria

21.9/2 *Edum* ~~singuläre~~
diffusum, *Hetero*

21.92

$$2193^2 \therefore (91+93=92 \text{ sum of } 10^2)$$

21.94 Mammillaria divisa

2195 *Eriophyllum guatemalense*

245

Ucco Mts., 35 miles east of El Paso
Mex. S. L. Patterson 3/9/21

11

Under plate 30 m. a. 3 of EP
Pass a foot of white clay. For

La Mitra at Monterey, Mex.
B. Burryon Mar. 1920

actively. When

St. El Mirador, Monterey, Mex.
do.

William H. H. H.
R. R. R.

Mon. 15th 1921

111

11

San Diego, Calif. 12/20/1911

Mar. 1921

Syntherisma, A. Foudrey Jan. 1921

21.96 Mammillaria Texana

21.97 Echinocactus

21.98 Agave

21.99 Echinocereus pentatophus

21.100 Mammillaria stricta

21.101 Echinocereus pectinatus

21.102 Mammillaria

21.103 Echinocactus texensis

21.104 Echinocactus setispinus

21.105

21.106

Mt. El Mirador, Mex. near Monterey
A. Runyon Mar. 1921

do.

do.

do. (Summit)

Benson, Ariz.
J. W. Gilkey

Mar. 1921

do.

On rocks or in black limestone
soil, near Walde, Texas

L. C. Parman Mar. 19, 1921

Black limestone soil on a
Juaqueja ridge. L. C. Parman 3/19/21
Walde, Tex.

Wal. o. loc. do.

Guatemala

H. Johnson #4

" #5

21. 107

108

109

110 *Selenicereus* ~~*pandanus*~~ *pandanus*

111 *Wilmothia minutiflora*

112

113 *Wilmothia minutiflora*

114 *Acnistrochthon*

115

116 *setispinus*

117 *Opuntia blakeana*

118 *O. phaeacantha*

119 *Echinocactus setiger* *Engelm.*

Guat., H. Johnson #6

#7

#8

#9

#10

#11

#12

#13

#14

—

Tucson, Ariz; D. Griffith
the most original

3/21/21

Orizaba, Peru
L. Engel

Mar 1921

21. 120. *Acanthocereus*

21. 121. *Leuococereus*

122. *Opuntia elatior*

123. *Opuntia elatior*

124. *Echinocereus rigidissimus* For.

125. *Cactus*

126. *Mammillaria prolifera*

127. *Leuococereus*

128. *Harrisia*

129. *Hylocereus*

130. *Selenicereus*

131. ✓

Pitaya

Abundant at Ciudad Bolívar, Venz.

W. Bailey #1548

3/15/21

Cardon, forming a large tree-like plant. Bailey #1541

Texas

Bailey #1754.

Texas.

Bailey #1601

Benson, Ariz.

Mar. 1921

J. W. Bradley

Arid, western sierras about Mac
and Guayábin, 20 mi. east of
Monte Cristi, San Domingo 3/8/21

W. L. Abbott #

Navarro

Abbott #1096

Mac

Abbott #1040

21.132 *Opuntia*

133

21.134 *Lesophyllum texanum* Rose

21.135 *Mamillot cantharinensis*

21.136 *Mam. olivacea*

21.137 *Echinocereus fendleri*

21.138 *Opuntia*

21.139 *Mam.*

21.140 *M. godrichii*

21.141 *Mam.*

21.142 "



W. C. Abbott, S. Orange

"

Brownsville, Tex.
R. Runyon

March 1921

Butterfield, (Ariz)

O. Bailey

3/30/21

Northeastern side of the Santa
Catalina, Ariz. D. J. MacDougal Mar. 21

"
Old Camp Grant, Winhelman Head,
Ariz. Kirk Bryan
1015. ms. of Mulege, Lower Calif.
B. F. Hake

Do.

Shores of Scammon Lagoons,
west of Santa Clara Desert, Lower Calif.
B. F. Hake

- 21, 143 Mam. micrantha
 144. Echinocereus dasyanthus
 145. Mammillaria macromeris
 146. M. neomerisana
 147. M. tuberculata
 21, 148 Pedrocactus arizonae
 21, 149 Mammillaria ^{18/11/4} purpurea
 21, 150 Echinocereus arizonae
 21, 151 Mam. alvareana
 21, 152 " olivacea
 21, 153 " maculosa
 21, 154 Tillandsia
 fl. red
 21, 155 Tillandsia baileyi
 fl. blue (purple)

New

Armitage Texas,
 Mrs. S. C. Patterson

Mar. 28, 1921

"

"

"

"

Casper, Wyo.
 Jos. K. Holm

1921

Tucson, Ariz.
 Carlos Reiche

4/1/21

"

Massachusetts, Ariz.
 V. Bailey

April 21

"

"

Brownsville, Texas
 H. B. Camp

4/8/21

"

21.156 *Mammillot*

21.157 *Euphorbia verifolia* L.

21.158 *Mamm. shreveana*

21.159 *Echinocactus erectispinus*

21.160 *Echinocereus fendleri*

21.161 *Mamm. grahamii*

21.162 " "

21.163 " "

21.164 *Pediosactus arizonica* n. sp.

21.165 *Mammillaria arizonica*

21.166 *Cycas circinalis*

21.167 " *revoluta*

Brownsville, Texas

4/8/21

R. O. Camp,

Jardines de la Hacienda, San
Francisco Miramar; very nice.

600 m. alt. Guat. A. Jording 3/15/21

1 mi. s.w. of Benson, Ariz. 4/4/21

J. W. Hickey

"

"

"

"

"

"

Base of Galena (?) Mts, about 7 mi.
N.E. of ^{Quincy} Ateraya School house, ^{Quincy} Washburn Co. Dak.

"

"

Continental, Arizona

V. Bailey

April 1921.

"

"

"

Grand Canyon, Ariz., near Goleta
at El Tovar, G. E. Miller, Jr. Oct. 1920.

Campa, Fla. (at residence of Mr. Wall of
firm of Knight & Wall) March 15, 1921.

by A. D. Jackson

21.168 *Selaginella eremophila* Max.
(W.R.W.)

21.172 *Grewia*

21.170

21.171

21.169

21.173 *Mammillaria ewingii* ^{W.H.}

21.174 *Mamm. divisa*

21.175 *Echinocereus scopulorum*

21.176 *Echinocereus*

21.177 *Mammillaria*

21.178 *Mammillaria*

21.179 *Opuntia occidentalis*

21.180 *O. prolifera*

Palm Springs, Calif.

Edmund C. Jaeger

April 1921.

R. Ruyon

Brownsville, Tex.

April 1921

B. P. Rebo, Oaxaca, Mex. April 1921

"

"

"

"

"

"

Islands, Guaymas, Mexico

J. M. Johnston #3086

Apr 14, '21

Ensenada, L. C., on bluffs.

"white"

#3006

4/7/21

On hills, Guaymas,

#3103

Apr. 14, '21

Ensenada, L. C.

Carpenter on bluffs #3007

4/7/21

Alhambra, Calif.

E. C. Rost

4/12/21

"

"

"

Southern Calif.

Gerritt Miller

April '21

"

"

21.181 *Echinocereus lugelmannii*

21.182 *Echinocactus*

21.183 *Mammillaria fasciculata*

21.184 *Mamm. grahamii*

21.185 *Tillandsia muscoides*

21.186. "

21.187 *Cactus broadwayi* R. & R.

21.188 *Mammillaria sphaerica*

21.189 *Echinocactus setispinus*

21.190 *Leuophyllum texanum*

21.191 *Mammillaria*

21.192 *Mamm.*

act. 2830 ft.
Sacramento Calif. Jacumba Hot Springs,
Gerrit Miller Apr. 1921

"

"

"

Forest Shave

"

Basada of Sierra Ntes 20 mi. SW Tucson 4/20/21
Winbelman Quad., sec. 5, T7S R17E
Gravel hills, north of Aswaipa Creek Ariz.
elev. 3000 ft. - Herb Bryan Apr. 19, '21.

Brownsville, Texas
R. D. Camp

Tobago
W. G. Freeman

Brownsville, Texas
R. D. Camp

Apr. 1921.

"

"

Guerrero, Mexico, Solis

Apr. 1921

Oaxaca, Mex., Solis

21. 193 *Pediocactus simpsonii*

194. *Mammillaria*

195. *Mammillaria*

196. *Mamm.* ~~gambelii~~ *grahamii*

197. *Echinocactus leontii*

198. *Echinocereus engelmannii*

199. *Echinocactus*

200. *Mamm. tetramista*

201. *Phorvillea ludlowi*
Vine; fls. yellow; fr. red

202. *Talinum discolor*
Herb. vine; fls. yellow; fr. red; per

203. *Portulaca pilosa*

204. *Croton*

Casper, Wyo., Joseph A. Holmes 2nd
May 1921.

~~G.~~ Lower California

Clifton R. Swartz

May 1921

San Antonio, Tex.

Alex. D. Schulz

May 1921

Sacaton, Ariz.

W. F. Gilpin

May 1921.

"

"

"

"

Bard, Calif.

Loren G. Polhamus

"

"

"

"

Brownsville, Tex.; light sandy soil on high land

30 m. Root Runyon #4

5/8/21

"

"

well drained sandy soil

R. Runyon #6

5/8/21

"

hab. do.

"

#5

"

hab. ab.

"

#7

"

21. 205 *Echinocereus* ...
21. 206, *Opuntia parvifolia* Griseb.
21. 207, *Hylocereus* ...
21. 208. *Heliocereus speciosus*
21. 209 *Echinocereus* ...
21. 210 *Trichocereus lamprochlorus*
21. 211 - *Opuntia* (5)
21. 212 *Opuntia basilaris*
21. 213 *Opuntia*
21. 214 *Echinocereus nudiflorus* (4)
21. 215 *Pediocactus simpsonii* (4)
21. 216 *Opuntia*
21. 217 "

Arch. Ariz., S. F. May 1921

Southern Edge of Mojave Desert, Calif.
 Pinon Wells, 4000 ft. P.A. Hwy 5/1/21
 Mexico, D. F., Mexico
 C. Reichs 5/10/21

San Gabriel, Calif.
 Wm. Hertwich, 5/12/21
 Junuyán, Mendoza, Argentina
 W. B. Alexander March 22, 23, 1921
 Moorpark, California
 D. F. MacDougal May 24

" " " " " "
 R. V. Pickett
 Edgewater, Colorado, May 1924

Quail 705, Fla.
 Small + Lucca 48439 Apr. '21
 B. ...
 Small + Lucca 48432 Apr. '21

21.218 Opuntia

21.219 Opuntia

21.220 Opuntia

21.221

21.222 Echinocereus

21.223 Opuntia

21.224 " Tomentosa

21.225 Mam. rhodantha

21.226 Echinocactus

21.227 Agave

21.228 Echinocactus

21.229 Echinocereus

21.230 Cissurus marz. Desmoul
Hyp. specimen leafy stem # 49669 H.P.S.

49630
Dunes Atlantic Beach, Fla.
Small & Bell in lake Apr. 1921
Shellmound, Ft. George Id., Fla.
do. 48934 do.

St. Mary's Is.
do. 48940 do.

Pilot Is., Fl.
do. 48935 do.

Mar Mexico City, C. Reiche May 1921

" " "

" " "

" " "

" " "

" " "

Quincy Co.
Harris Co., Texas (Lyford?) 7/29/21
Rt Camp 30 mi. north of Point Isabel

" " "

" " "

21.231

21.232

21.233 *Mammillaria phaeocoma*

21.234 *Opuntia* ~~alt.~~

21.235 *Hylotea*

21.236

Orchid "purple red rock orchid"

21.237

Orchid

21.238

Uzclid

21.240 *Rhipsalis mucronata*

21.239 *Epiphyllum phyllanthoides*

21.241 *Selenicereus boeckmannii* (2)

21.242 *Mammillaria aphacolata* (4)

21.243 *Hylotea undatus*

Green Is., Cameron Co., Tex.
R. D. Camp. 5/27/21

Sauvage Peninsula, near Cape
Sauvage, S.D. W. Abbott Apr. 1.

North side, Sauvage Bay

W. Abbott

Cape Sauvage

(alt. Abbott 1085)

Do.

Mar. 27, 21

Papa, Ecuador

W. Papoua

XXX C. Gonzatti

Oaxaca, Mex.

XXV

"

"

XXVI

"

"

XXVII

"

"

21.244 *Aporocactus conzatti*

21.245 *Selenicereus*

21.246 *Opuntia*

21.247 *Mamm. vivipara*

21.248 *Bergerocactus emoryi*

21.249, *Mamm.*

21.250. *Mamm.*

21.251 *Echinocactus texensis*

21.252 *Trombidium* *diversa*
on flower

21.253

21.254 *Echinocactus viridiflorus*

21.255 "

21.256

XXVIII C. Conzatti
Durango Mexico

XXX A. Ruth
Polytechnic Texas
Edgewater, Colo.
R. V. Pickett
Coronado Is., Mex., off San Diego,
Calif. S. S. Miller, Jr. 6/8/21

" " 300 ft. alt.
Mt. Springs, Imperial Co., Calif.
S. S. Miller Jr. 6/4/21
Near Brownsville, Tex.
R. Runyon

Cliffs near ocean, north of Ensenada
Lower Calif. E. C. Rost #101 Jan 1921
(Dict. Thimont) #102

Coast Range between La Jolla & San
Diego, Calif. E. C. Rost #51
Mts. east of Ensenada, L. C.
E. C. Rost #55

(same data as 21.252)
E. C. Rost #103

21.257

21.258 "

21.259

21.260 *Echinocactus*

21.261 "

21.262 "

21.263 "

21.264 "

21.265 "

21.266 "

21.267 "

21.268 "

21.269 "

Hills above Jijuan, Mexico June 1921
(Near U.S.-Mex. Bdry) E.C. Rost #53

Coast hills between La Jolla
- San Diego, Calif. E.C. Rost #52

Mts above (cont. of) Ensenada, L. Calif.
E.C. Rost #54

Palm Springs Canyon, 3 mi., S.E. of
Palm Springs, Calif. Rost #1

10 miles east of Palm Springs &
10 miles north, Rost #3.

Jacumba, U.S.-Mex. Bdry
Rost #4

20 mi. east of Jacumba
Rost #11

Devils Canyon, between Jacumba
& Coyote Wells, Calif. Rost #5

Chocolate Mts., N.E. from Wylam
Calif. Rost #8

Eastern slopes, Chocolate Mts, Calif.
Rost #10

Superstition Mt., between Imperial
Valley & San Diego (near Warnerville) Rost #6

Southern slopes of Mt. San Jacinto
Calif.; E.C. Rost #7

So. Rost #2

21.270 Echinocactus

21.271 "

21.272 "

21.273 "

21.274 "

21.275 "

21.276 "

21.277. Echinocereus dasyacanthus

21.278 "

21.279 Mammillaria

21.280 Mam. ^{dasyacantha} ~~tuberculata~~

21.281 Echinomastus dasyacanthus

Painted Hill, north side of
Coachella Valley, Calif. - Rost #9
Chuckawalla Mts., (Colo. River side)
Calif., Rost #26

Between Shavers Fork & Blythe,
Calif., near Colo. River Rost #27
White Water River, Calif.

Rost #25
East of White Water River, toward
Indio, Calif. E.C. Rost #29
Mts. above La Jolla, Calif.
E.C. Rost #50.

Jacumba (on U.S.-Mex. Bdwy.)
E.C. Rost #12

Camtello, Tex.
near S. T. Paction

6/16/21

"

"

"

21.282 *Epithelantha micromeris*

21.283 *Echinocactus horizontalis*

21.284 *Mammillaria dasyacantha*

21.285 *Coryphantha mukleporckii*

21.286 *Pasiphora sexflora*

21.287 *Pasiphora hastata*

21.288 *Mammillaria*

21.289 *Echinocereus*

21.290 *Opuntia*

21.291 *Opuntia*

21.292 *Opuntia fuscicilligera*

21.293 *Dudleya*

Oaxtepec, Tex.

San St. Martin 6/16/21

"

Mex.

Zacapan, C. G. Purpus #1 June 21

" Mex. " #2 "

Orly hillside, 15 mi. north of
San Antonio, Bland County, Tex. 6/20/21

Ardo Mesa, Colo. June 21

Dr. Fieber

82

Do.

W. B. Alexander

Argentina

On rocks at edge of small stream,
above Idyllwild, Riverside Co, Calif.
alt. 5500 ft. G. S. Miller, Jr. 6/20/21

- | | | | | |
|--------|---------------------|---------------------|--------------------|---|
| 21.294 | <i>Dudleya</i> | <i>Kallii</i> Rose | (herb sp.) (NY) | 6 |
| 21.295 | <i>Dudleya</i> | | | 3 |
| 21.296 | <i>Mammillaria</i> | <i>gibbata</i> | | 2 |
| 21.297 | " | " | | 1 |
| 21.298 | <i>Echinocereus</i> | <i>coccineus</i> | | 2 |
| 21.299 | <i>Opuntia</i> | | | 1 |
| 21.300 | " | | | 1 |
| 21.301 | <i>Mammillaria</i> | <i>confusa</i> | | 1 |
| 21.302 | <i>Echinocactus</i> | <i>tricoloratus</i> | | 4 |
| 21.303 | <i>Mammillaria</i> | <i>schottii</i> | | 3 |
| 21.304 | <i>M.</i> | <i>dasycantha</i> | | 4 |
| 21.305 | <i>Dioecia</i> | | | |
| 21.306 | <i>Selenicium</i> | <i>rupestris</i> | | |

Lythwood, Riverside, Co Calif.
G. S. Muller, Jr. 6/20/21

Ingman, Ariz.
 Mrs. Chas. Bly
 St. Harqua Hala, Ariz.
 Fred A. Greeley

6/29/21
 June 1st

[illegible]

21 u c

Sand City, D. F.
O. Reiche

June 1921

cuticle, Jordan
Mar 5 1 Patton

to

Dr.
Unidad
Dr. Seaver
Luzon Co. of San Antonio, Tex. 1926
July 1926

- | | | | |
|--------|-------|-----------------------|---|
| 21.307 | Mamm. | calochrysa | 2 |
| 21.308 | " | macromeris | 1 |
| 21.309 | " | glochidiata prolifera | 1 |
| 21.310 | " | weldii | 1 |
| 21.311 | " | odieriana | 2 |
| 21.312 | " | vetula | 1 |
| 21.313 | " | granululigera | 2 |
| 21.314 | " | glochidiata crinita | 2 |
| 21.315 | " | seideliana | 2 |
| 21.316 | " | gracilis pulchella | 2 |
| 21.317 | " | schmidtii | 2 |
| 21.318 | " | schelhasi | 1 |
| 21.319 | " | waltonii | 1 |

2 L. Buehl (Kalle, Saale, Germany) 6/21/21

Erfurt, Germany
Haage & Schmidt

June 1921

21,320 Mann. donatii 2

21,321 " elongata stellata 2

21,322 " delatiana 2

21,323 " mucigera 2

21,324 " kewensis 1

21,325 " bocasana 2

21,326 " eumecanthus 3

21,327 Dudleya longicollata (herb sp. ^{nm}) 6

21,328. Dudleya pulchellata 2

21,329. " 3

21,330. Opuntia littoralis 1

Exfert, Germany, -
Hager & Schmidt

June 1921

Near Big Salt Lake, Hidalgo Co., 6.5
mi. n.w. of Brownsville, the Rio Grande
Laguna Beach, Orange Co., Calif. 7/9/21
On low bluffs, growing in the edges of
tangled mats Eriogonum, apparently rare
in strictly open situations. G. S. Miller,
San Juan Bautista Canyon, near
San Jacinto, Riverside Co., Calif.
G. S. Miller 6/30/21

Catalina Is., Calif.

7/6/21

- 21,331 *Hamatocactus* 12
21,332 { ~~*Hamatocactus*~~ *variegata* 3
21,333 } *Penyonia longiflora* Rosemp.
~~*Hamatocactus*~~ (fruit of #21,332)
21,334 *Mammillaria* 3
21,335 *Echinocereus rigidissimus* 2
21,336 *Opuntia polycantha* 2
21,337 *Coccyria* sp.
(type locality)
21,338 *Mamm. grahamii* 3
21,339 *Echinocactus lecontei* ✓
21,340 " *gerantheoides* 1
21,341 " *Digitis yuccae* (K. S. on)
21,342 " has more blossoms.
21,343 *Mammillaria arizonica* 4

Reynosa, Mex. (75 mi. ^{from} ~~above~~
Brownsville, Tex.) R. R. Ruyon, July 2,
Brownsville, Tex.

~~Wentley~~, ~~For~~ # 10

Reynosa, ^{Set 10} Mex. #9

W. about 1/2 way west of Lagoon, Aug
near Junction H. & S. Shanty 5/30/21
Townsand, Mont.

James S. Walmsley
Monterey, Mex.

R. Kanyon
Phoenix, Ariz.
G. S. Miller

Grand Canyon Ariz.
J. H. Jones 7/18/21

Cambridge, Mass.
 Wm. S. C. Patton July 21

Basin Hornethead, Grand Canyon, Ariz.
J. H. Perriss July 1924.

21.344 *Cryptantha recurvata* 3
(fl. yellowish-green)

21.345 *Mammillaria schreberiana*

21.346 *Echinocereus*

21.347 *Manfreda variegata* 1
(ny)

21.348 " 2

21.349 *Telium patens*

21.350 *Cissus morsa* Desmoul

21.351 *Mammillaria missouriensis*

21.352 *Mammillaria* 2

353 " var. 2

354 *Echinocereus grandis* 1

355 *Mammillaria* 1

356 *Echinocereus engelmannii* 1

15-18 miles west of Nogales, Ariz.
T. J. Dyer 7/6/21
So.

Do.
La Consuelo Ranch, 20 mi. S. of
Matamoros, Mex. R. Runyon #11.

Do. #12

Do. #13

North end of valley, Townsend, Mont.
4000 ft. alt. James S. Holmes 7/28/21
Volcano Island, L.C. 4/17/21

Ivan M. Johnston 3/21
" " 3122

" " 3137

Puerto Refugio, Aug 9.
7/1/21 3369

Los Angeles Bay, L.C. 3445

21.357 *Echinocereus* 2

358 *Echinocereus grandis* B. & P. n. sp. 2

359 *Mammillaria* ~~noedongata?~~ 3

360 " 2

361 " 1

362 *Echinocereus brandegeei* (Covet.) 1
Solism.

363 *Mammillaria* 1

364 " *albicans* 3

365 *Echinocereus brandegeei* (Covet.) 1
Solism.

366 *Mammillaria albicans* ? 2

367 " *usf.* 3

368 " 1

Los Angeles Bay, Lower Calif.

Mad. Johnston

San Lorenzo Is.

San Carlos Bay La

"

~~San Carlos Bay, Lower Calif.~~

Malibu Bay, Lower Calif.

Danzante Is. 5/24/21

Monserrate Is.

Santa Cruz Is.

" "

San Diego Is.

San Francisco Is.

Espiritu Santo Is.

3446

3541

4373

3543

3833

3858

3864

3912

3913

3923

3943

3985

21. 369 *Tradescantia heterophylla* Brong. ^{Mich.} 1

370 *Bartochiella schumannii* BoR. 2

371 *Mammillaria johnstonii* n. sp. ^{res. 1-1.5 in} (11)

372 " 1

373 " 1

374 " 1

375 *Mammillaria* 2

376 " 2

377 *Echinocereus grandis* BoR. 1

378 *Mammillaria* 2

379 *Echinocereus scopulorum* BoR.

380 " 1

^{Lower Calif.}
Esperito Santo Is.

La Paz

Cerralbo Is.

"

Catalina Is.

Marcos Is.

Tortuga Is.

"

San Lorenzo Is.

San Pedro Bay

San Pedro Bay, Sonora

San Carlos Bay, "

3987

4017

4038

4058

4099

4179

4186

4187

4198

4290

4291

4344

21. 381 *Mammillaria* ^{johnstonii} ~~woodii~~ ^{johnstonii}

382 *Mammillaria*

383 *Dudleya* ~~albiflora~~ ^{alba}

384 *Echinocereus* *eugeniae*

21. 385 *Mammillaria* *dasyantha*

21. 386 *Mam.* *yucatanensis*

21. 387 *Euphorbia* *macrophylla*
~~Dead & destroyed~~

21. 388 *Hylocereus* *undatus*

21. 389 *Mammillaria* *gambelii*

21. 390 *Hylocereus*

21. 391 *Selenicereus* *donkelaeri*

San Carlos Bay, Lower
San Cal. 9. Johnston
San Lorenzo Is.

4373

No number

No number

San Pedro Bay

4374

Near El Paso, Tex
Mrs. S. C. Patton

July '21

Barren landside of marshes

Progress. Fls. very small, rose,

fruit oblong, bright red. Gummer 24367

Agua Caliente, Yucatan

Gummer 24373 20 ft. high, 8 ft. diam

Agua Caliente, Yucatan

(climb top of

Gummer 24368 (cylindrical

Poltzacans, Yucatan

Fls. pale greenish-cream, on sand dunes

Agua Caliente, Yucatan; very long cactus

Gummer 24366

Chacab, Yucatan. Mesquite, bright red

thrust on Alamo tree 25-30 ft.

Gummer 24369

Agua Caliente, Yucatan; Gummer 24370

long cream-colored. Fruit purplish-red edible

21.392 *Pereskopsis scandens*

21.393 *Euphyllium*

21.394 *Mammillaria*
Escobaria sp.

21.395 *Mammillaria sphaerica*

21.396 "

21.397 " *chrysocoma*

21.398 ~~*Escobaria*~~ *Mammillaria*

21.399 Mam.

21.400 Mam.

21.401 *Pediocactus*

polycanthus

Yucatan, Yanner 24372

Tahuet, Yucatan, Yanner 24371
Fruit. crimson; fls. cream-color, 8 in. long,
climber tree 20 ft. high.

Rio Grande, Starr Co., Texas. 200 ft.
R. Runyon #16 8/10/21

So.

" #14

"

" #15

5 miles east of Nogales, near Still
Lake (N.M.S.) in flat ground alt. 4500 ft.

H. J. Treffer #1 Aug. 1921

8 mi. east of Nogales, in sloping
ground, good soil, 4300 ft alt.

H. J. Treffer #2

8 miles east of El Paso, in
Guantanamo Mts., Texas, near St. Patricio
Rocky plate 10 mi. east of El Paso,
at foot of Mt. Franklin, Tex. Patricio
after plant at El Paso for collection
to Mexico Aug 1921

- 21.404 *Echinopsis turbinata*
 21.405 *Gymnocalycium denudatum*
 21.406 *Mammillaria mundtii*
 21.407 *Cereus flagelliformis*
 21.408 *Cereus flagelliformis*
 21.409 *Mammillaria pseudopectinata*
 21.410 *Opuntia polyacantha*
 21.411 *Echinocereus viridiflorus*
 21.412 *Opuntia* |
 21.413
 21.414 *Opuntia*
 21.415 *Echinocereus viridiflorus*
 21.416 *Opuntia*

Sent by Mundt.

9/1921

Sugar City, Colorado

A. A. Hansen (coll. by M. Papik)

Prest Bridge, Prince George Co. Md.

On pure sand 2 mi. from Traluxent P. W. P. Maxon

Learnair Place, Pa.

H. Ulkes

9/1921

Alpine Laboratory, Manitou, Colo.

Goldsmith

21.417 Mammillaria dioica

21.418 Mammillaria pseudoperbella

21.419. " polyedra

21.420 " "

21.421

21.422 Apocactus

21.423 Mam. missouriensis 4

21.424 " vivipara 7

21.425 " " 3

21.426 Edinocactus coccineus 1

21.427 " triglochatus 5

21.428 " viridiflorus 6

Near Rancho San Antonio del Mar,
a few miles, north of Colnett Pt., on
west coast Lower Calif. 5 165 south
of San Diego, Calif. 8/12/21
W. S. Kew.

Cerro San Felipe, Baraca, Mex.
C. Conzatti #4141. 8/16/21

" 4140

" 4143

" #4151

" #4152

Journal, Mont. 8/17/21

J. S. Holmes

"

Edgewood, Colo
R. V. Pickett

Sept 21
1921

"

"

"

21,429 *Opuntia*

21,430. *Cereus*

21,431 " "

21,432 *Selenicereus pruigii*

21,433 " "

21,434 *Cereus serpentinus strictus*

21,435 " *scleranthii* Tur. & Hent.

21,436 " *grandiflorus* Mies

21,437 " *urano*

21,438 " *uniflorus*

21,439. *Cereus* sp. nov.

21,440 " *beckmannii* Ato

Polytechnic, Texas

Zarapa, Gerat.

H. Wiegand -

Zarapa " "

?

"

(To this from Cuba)

Wiegand, Germany

Haiti " "

Columbia

21.441 *Selenicereus*

21.442. " *grandiflorus*

21.443 *Cereus*

21.444 " *serpentinus* Lag. type

21.445 *Selenicereus*

21.446, *Cereus* *baeckhamii* Otto & M.

21.447 " *baumannii* *flavipennis*

21.448 " *guianensis* Lag.

21.449 *Mylocereus* *hirschiianus*

21.450 *Cereus* *königshoffii*

21.451 *Cereus* *superbus* Ehrenb.

Haiti

from W. Wengert, Germany #17

St. Thomas

#23

from Cde, Hamburg
then W. Wengert

#43

"

#7

"

#10

"

#11

"

#13

"

#4

"

#28

"

#31

"

#29

21.452 *Cereus*

Seeds

21.453 *Cereus*

Seeds

21.454. *Cereus* ~~sp.~~

Dead

21.455. *Selenicereus masonii* R+B.

Dead

21.456 *Cereus martianus*

21.457.

"

"

♀

**Phyllocactus cichlaui* ♂

21.458. *Selenicereus* ²*pothii* sp.

21.459. *Cereus humilis*

21.460 *Cereus*

21.461. " *vaupelii*

21.462. " *humilis*

21.463. " *flagiformis*

Zorapa Guat. H. Weingart

—

35

Barasa

38

37

20

5

Paraguiri Paraguay, C. G. G. G.
W. Weingart

19

27

Haiti

18

25

Mexico, C. A. Purpus

2

21.464 *Cereus ambiguus*

21.465 *Cereus*

21.466 *Cereus radiatus* Lem.

21.467 *Epiphyllum* n. sp.

21.468 *Myctocereus loricatus*

21.469. *Epiphyllum grandilobus* 1
W. W. W. W.

21.470 " n. sp. 1

21.471 *Opuntia macrocarpa* Engelm. 3

21.472. *Echinocereus coccineus* 1

21.473 *Opuntia leptocoma* 1

21.474 *Opuntia pauciflora* 2

21.475 *Alamosa* 2

21.476 *Cooperia pedunculata*

Palmeria ~~W. W. W.~~
W. W. W.

20

" # 1

" # 3

San José C. R. R.
C. W. W.

Urethane

W. W. W.

28

El General, Costa Rica
C. W. W.

"

"

Near Trinity River, Tarrant Co., Tex.
Albert K. W.

10/11/21

Flagstaff, Ariz.

Jan. H. W.

Oct. 21

"

"

"

Mexico; C. R. R.

1921

Brownsville, Tex.

R. W. W. # 18

10/13/21

"

17

21.477 *Mammillaria arizonica*

21.478 " *sphaerica* (fruit)

+
21.479 *Pereskia acinaciformis*
Subs. Boden

21.480 *Echinocactus graessneri* 3

21.481 *Echinocactus levinghamii* 3

21.482 *Mammillaria meracantha* 1

21.483 *Echinocereus viridiflorus* 2

21.484 *Mamm. radialis* 3

21.485 *Echinocereus*

21.486 *Opuntia trichophora*

21.487 *Orabia latoides* HBK.

21.488 *Neotrideaxa* 1

21.489 *Cooperia* 3

Walnut Co. Cliff ruins. Aug. 10/16/21

J. H. Derr

Brownsville, Tex.

R. Runyon

San Joaquin Co., Lower Calif

J. M. Johnston 3940

Kaag & Schmitt

Camutillo, Tex.

Mrs. S. F. Patton

Ecuador; Rawley

Reynosa, Mex.; limestone hills

R. Runyon #20

" #21

21.490 *Eseobaria runyonii* ~

21.491 *Cactus broadwayi*

21.492. *Echinocactus*

21.493. *Sedum spatulifolium*

21.494. *Echinocereus barbeyi* (Ry) 4)

21.495 *Echinocereus viridiflorus* 6

21.496. *Mammillaria grahamii* 4)

21.497 *Echinocereus scheeri*

21.498 " *barcena*

21.499 " *dubium*

21.500 " *glycineophus*

21.501. " *spinibarbis*

21.502 " *poelgerianus*

Reynosa, Mex. (limestone hills)
P. Runyon #19 11/1/21

Grenada, B. W. I.

R. O. Williams John Bravel
St. Thomas, Nevada.

Near Victoria, B.C. Saanich Inlet
G. S. Miller Oct. 1921.

Wichita Natl Forest, Cache Co. Id.
Frank Rush 11/9/21

Colo. Springs, Colo.
G. W. Boldenwith 11/9/21

Jersey Ariz.
Arthur Barton 11-1-21

Erfurt, Germany
Haage & Schmidt 11-1-21

21.503 *Echinocereus chuenbergii*

Hager & Schmitt

Nov. 1921

21.504 " *enacanthus canus*

21.505 " *leoneensis*

21.506 *Echinocactus leininghausii*

21.507 " *mihanoviichii*

21.508 " *platensis*

21.509 " *hasselbergii*

21.510 " *curielianus*

21.511 *Sedum*

Hort. Bot. Berol. (ca. 1910)

21.512 *Echinocactus polycephalus*

Good Springs, Nev.
D. J. Helweg #1

21.513 *Coryphantha chlorantha*

2

21.514 *Phellosperma tetraacta* (Engelm.)

3

21.515 *Opuntia racemosa*

4

21.516 " *erecta*

4a

21.517

21.518 *Iberiella*

21.519 *Mammillaria grahamii* 2

21.520 *Echinocereus engelmannii* 2

21.521 *Opuntia basilaris* 1

21.522 *Mammillaria arizonica* 3

21.523 *Phyllocactus pittieri* 1

21.524 *Epiphyllum striatum* 3

21.525 *Phyllocactus carthaginensis* 2

21.526 *Epiphyllum*

21.527 *Mammillaria appplanata* 1

Arizona

R. Runyon - Texas

Peash Spring trail to Grand
Canyon, Ariz. J. H. Perriss

Costa Rica; C. Weirble 11/-121

Cayusa Mexico

C. Conzatti

Pearsal, Texas

D. C. Porman

bottom of the Prio River, 4 mi. N. W. of

Pearsal in the heavy brush near
river channel.

11/-121

11/23/21

21.528. Mammillaria

21.529. Acaethocercus mormis 1

21.530. Nylocereus 1

21.531. Dudleya 3

21.532. Perocactus lecontei 2

21.533 Mammillaria grahami 1

21.534. Pinus cutb

21.535 seeds

(Cucurbitaceae)

21.536 Mammillaria grahami 2

21.537 Echinocereus engelmanni 1

21.538 Echinocactus lecontei

21.539. Echinocereus coccineus

21.540. Opuntia

? W.S.W. Kew

Nov. 1921

Baraca, Mexico
B.P. Rebo

Nov 1921

Yucca, Arizona
Mrs. Chas. Sly

Northwestern Arizona
J.H. Perrins #24

West side of Patuxent Mts., Ariz.
J.H. Perrins 26

Keams Canyon Arizona

L.H. Dudley Buxton 12 Nov 18, 21

Idaho, Idaho

21.541 *Opuntia*

21.542 "

21.543 "

21.544 "

21.545 *Mammillaria tetracontata*

21.546 *Perocactus lecontei*

21.547 *Echinocactus polycephalus*

21.548 *Perocactus acanthodes*

21.549 *Opuntia ramossissima*

21.550 *Mammillaria*

21.551 *Echinocereus engelmannii*

21.552 *Gudleya*

21.553 *Agave*

Leams

~~Leams~~ Canyon, Ariz.
T. H. Dudley Burton (4) 11/15/21

" (5)

" (6)

" (7)

Catman, Ariz.

J. H. Dennis #30

12/6/21

Topok, Arizona

J. H. Dennis #32

10/5/21

California

J. H. Dennis

Dec 1921

Independence Mts, 3 miles north of
Randy station, Calif. J. H. Dennis #34 Dec. 21

Between Kingman & Aubrey, Calif.
Dennis #35 Dec 21

In volcanic soil, 12 mi. east of
Aubrey Calif., near Old Dorail Hwy. Hwy.
J. H. Dennis #36 Dec 21

Yucca, Ariz.

Mrs. Chas. Bly

12/20/21

"

"





Walter Mundt
 Kakteen-Export * Kakteen-Import
 Mahlsdorf - Berlin.

Ehrenpreis.

Gold. Medaille.

Nachnahme

Mk. Pf.

Mk. Pf.

Handwritten notes on a separate sheet of paper, including 'Walter Mundt' and other illegible text.

1922 - 1924

Chrysomelid
Chrysomelid
Chrysomelid

Chrysomelid

Chrysomelid

Chrysomelid

121

22

may.
25/21

212 200
Received 10-5-21
from [illegible]
[illegible]
[illegible]

241500

Mam.

magatlanensis Mt.

echl'

22nd 307

Orcutt 1922: 1273

Mamillaria grahami ?

Magdalena Aurora

283

JAN 1 1922

WEEKLY
OFFERING \$.....

—FOR—

CURRENT EXPENSES**First Baptist Church,**
TUCSON, ARIZ.

"Upon the first day of the week let every
one of you lay by him in store as God hath
prospered him."—1 Cor. 16: 2.

NAME

PAT JAN 2 '12

JAN 1 1922

283

WEEKLY
OFFERING \$.....

A STREAM OF MONEY

—FOR—

MISSIONS

This will be distributed in accordance
with the missionary budget authorized by
the church unless contributor shall direct
otherwise.

NAME

DUPLIX-RICHMOND VA

TT & TOWNE

le of

VEGA COATED

ITE

— 100

— 120

to Ream

1/21

22

new

1/21

1

1

1922

22.1 *Cocos weddelliana*

22.2 *Mammillaria grahami* 1

22.3 " "

22.4 " "

22.5 " "

22.6 " "

22.7 " "

22.8 " "

22.9 *Lemaireocereus benedicti*

22.10 *Opuntia*

22.11 *Mammillaria elegans*

22.12 " *rhodantha*

22.13 *Coryphantha burmanni*

22.14 *Opuntia vulgaris*

22.15 " *aurantiaca* Lindl.

San José, Costa Rica C. Wachtel 12/15/21

Sierra Seri, Sonora, Mex. 1/2/22
C. Sheldon

Buenavista de Cuellar, Guerrero, Mex. 11/25/21
C. Muñoz #1

" #3

#6

#4

" #5

" #2

Ignala
Mexico, ~~Chiapas~~
C. Reiche

Jan 22

"

"

"

"

"

"

Pala Martín García, Argentina, No. 2
A. Castellanos 10/30/21

La Colonia, Uruguay No. 4
Do 12/15/21

- 22.16 *Rhipsalis lumbricoides* Lem.
 22.17 *Malacocarpus mammosus* (Lam.) B.R.
 22.18 " *ottonis* (Lam.) B.R.
 22.19 *Opuntia arechavaleae* Speg.
 22.20 *Coryphantha*
 22.21 *Mammillaria ortegai*
 22.22 " *sinaboiensis*
 22.23 *Echinocereus luteus* B.R.
 22.24 *Leuainocereus thurberi* B.R.
 22.25 *Leuainocereus thurberi* B.R.
 22.26 " "
 22.27 *Pachycereus pecten-aboriginum*
 22.28 *Cephalocereus purpusii* B.R.
 22.29 *Acanthocereus occidentalis* B.R.
 22.30 *Opuntia*

Conchillas, Uruguay
 A. Castellanos

do.

do.

do.

do.

do.

do.

12 mi. from Fort Worth, Tex.

J. R. Sneed

Near Mazatlán, Mexico

J. G. Ortega

No. 6

12/19/21

No. 7

12/20/21

No. 8

12/20/21

No. 9

12/20/21

1/24/22

No. 2

No. 10

1

4

5

6

7

8

9

11

22.31 *Cylindropuntia*

22.32 *Hylocereus purpureus* B. & R.

22.33 *Rathbunia sonchifolia* B. & R.

22.34 *Coryphantha runyonii* 1

22.35 3

22.36 *Mammillaria dioica*

22.37 *Echinocereus reichenbachii* 4

22.38 *Coryphantha* 3

22.39 *Mammillaria phyllloperma*

22.40 " *gordonii*

22.41 *Eremurus waei*

22.42 " *tardiflora*

22.43 " "

22.44 " *bungei*

22.45 " *tardiflora*

Magatlan Mexico
J. G. Ortega

12

13

14

Starr Co., Texas, 100 ft.
R. Runyon

"

21

Mason Valley, San Diego, Calif.
C. R. Orcutt

San Antonio, Tex. R. Runyon March 1922

"

"

"

Mason Valley, Calif. C. R. Orcutt ^{Feb.} 1922

Cult. in England

H. J. Elwes

1922

22.46 *Stricklandia euerosoides*

22.47 *Hippocratum brachyachnum* Baker

22.48 *Mammillaria*

22.49 " *Coryphantha junila* ^{not} (mid type)

22.50 " *sphaerica*

22.51 *Rumexia tenuiflora*

22.52 *Mammillaria*

22.53

22.54 *Selaginella crenophylla*

22.55 *Mammillaria milleri* n. sp. (my) 4

22.56 " *tetrancistra*

Leads Elwes, Mont. Bozhan

22.57 *Opuntia basilaris*

22.58 *Tongueira splendens*

22.59. *Opuntia macrantha*

See letter 4/3/22 - Wherry

Cult. in England H. J. Elwes 1922
(from Ecuador)

Cerro de Santa Catarina, 2770m. alt.
C. Reich March 22, 1922

50 miles s. of Reynosa, Mex.
R. Rungt #24 3/29/22

Oakville, Texas

" 22 3/29/22

Reynosa, Mex.

" 23 3/1-122

Dort Worth, Texas

3/27/22

J. P. Sneed

3/27/22

Palm Spring, Calif.

Coll. by McKenney

March 1922

Yucca, Ariz.

W. Chas. Bly

March 1922

"

"

"

"

"

"

"

"

"

Pine woods on sand hills, 4 miles

east of Mason, along road to Camp

Wherry, Tex. E. J. Wherry 4/3/22

22.60 *Opuntia serpentina* 4

22.61 " *prolifera* 1

22.62 *Mammillaria karwinskiana* Mart. 3

22.63 " *spaculata* 1

22.64 " *retusa* 1

22.65 " *huar elegans* 4

22.66 " *richoi* 1

22.67 *Epiphyllum strobilatum* 3

22.68 *Echinocactus conizus* 1

22.69 *Opuntia* sp. cf. *tortispina* 1

22.70 *Hylaeocereus polyrhiza* 4

22.71 *Mammillaria similis* 1

22.72 " " 8

22.73 " " 2

22.74 *Mammillaria grahamii* 1

22.75 " " 1

North San Diego, Calif.
C. R. Orcutt #6

" " #5

Oaxaca, Mexico.
B. P. Rebo.

4/2/22

" "

" "

" "

" "

" "

" "

Starkville, Miss.

4/1/22

W. Berry

Ecuador

4/21/22

F. W. Goding

Texas, In farmers yard, Industry.

4/19/22

BC Sharp

" Sleep sandstone hill, Smithville

" Smithville

Arizona, Rock Creek, #3

4/18/22

Ruth C. Ross

" " #4 (near #3)

"

22.76 *Mammillaria grahamii* 1

22.77 " " 3

22.78 " " 1

22.79 " " 1

22.80 " *fasciculata* 2

22.81 " *olivacea* 1

22.82 *Oreocereus strausii* 4

22.83 *Opuntia soehrensii* Br. & Rose 2

22.84 *Opuntia exaltata* 4

22.85 *Mammillaria* 1

22.86 " 2

22.87 " 1

22.88 " 1

22.89 " 1

22.90 " 2

22.91 " 1

Arizona. Road from Chusman to Globe 4/12/22

Ruth C. Rose #5

near #5

" #6

" Top of ridge

" #1

4/13/22

" Road basin, western ridge

" #2

" Sahino Canyon, Sta. Catalina Mts.
Forest Shreve

1915

Bagata of Sierra Mts. SW of Tucson 3/22/22

"

Germany Berlin Bot. Gard.

4/-/22

H. Vaupe

Peru, Cuzco

2/25/22

Fortunato L. Herrera

"

"

Arizona, Little gold gluck near mill 4/23/22

Ruth C. Rose #7

" The tableland, northwest rim 4/24/22

" #8

" (near #8)

" #9

"

" #10

"

" #11

" Road from old mill to Whippleman 4/27/22

" #12

New Mexico, Rio Cañon, uni. N.E. of Santa Fe 4/28/22

L. E. Wood

- 22.92 *Mammillaria confusa* 1 NY
 22.93 *Rhipsalis leucorhaphis* 2
 22.94 *Cyanotis kewensis* 1
 22.95 *Cyanotis* 1
 22.96 *Rhipsalis crispata* 1
 22.97 *Marpesia tigrina* 3
 22.98 *Mammillaria wismannii*
 22.99 *Echinocactus megarhizos* 2
 22.100 ^(Bismaya) *Mammillaria mazatlanensis* 3
 22.101 ^(Bajío del Norte) *Cephalocereus purpusii* 1
 22.102 ^(Bajío) *Rathbunia* 1
 22.103 ^(Mojave) *Opuntia* 1
 22.104 ^(Bajío) *Opuntia* 1
 22.105 ^(Cajon) *Echinocereus luteus* Rose 1
 22.106 ^(La Bajada Bismaya) *Mammillaria ortegae* 2
 22.107 *Argemone intermedia* 1
 (Seeds)

- Berlin (N.Y.B.G. 30353) 5/12/1922
 W. Mundt
 N.Y.B.G.
 Shaper 5/12/1922
 N.Y. Bot. Gard. 38847
 (Loc.?) Mason Bot. Gard. 1913
 N.Y. Bot. Gard. 45916
 (Loc.?) H. Natho 1912
 N.Y. Bot. Gard. 29926
 (Loc.?) C.B. Berger 1908
 Tennessee, Chattanooga
 R.S. Walker (J.W. Freeman B.P.L.)
 Oklahoma Agr. College
 C.O. Chandler 1921
 Mexico, Reynosa 5/10/22
 Robert Runyon
 Mexico; Mazatlán 5/10/22
 J.C. Ortega #2
 " " #3
 " " #4
 " " #5
 " " #6
 " " #7
 " " #8
 Texas, Brownsville (Flowers white) 5-1/-22
 Robert Runyon

- 22.108 *Argemone mexicana* 1
(Seeds)
- 22.109 *Euphorbia* 2
(Seeds Bochan)
- 22.110 *Solanum pectinatum* 3
- 22.111 *Opuntia floccosa* (Rebba commun n.) 5
- 22.112 " " Commun. name / Huacabab! 2
- 22.113 *Hylotea polyrhiza* 2
(Seeds)
- 22.114 *D. carnia* 1
- 22.115 *Echinocereus mojavensis* 1+1
- 22.116 *Opuntia pollardi* 2
- 22.117 *Pediocactus robustus* 3
- 22.118 *Sclerocactus pteranthus* 1
- 22.119 *Lemaecocactus griseus* 1
- 22.120 *Cereus jamacaru* 1
- 22.121 *Echinopsis gemmatas* 1
- 22.122 *Echinopsis* 1
- 22.123 *Echinopsis* 1

- Texas, Brownsville. (Yellow flowers) 5/1/22
Robert Runyon
- Mexico, Parí de Chapalhepec 5/3/22
Karl Reiche 1 Sheet sent for hist. III - 19 - 32
2 .. dupl. for dist. (E.C.F.)
- Mexico, near Tehuacan
B.P. Rebo
- Peru, Cusco 4/24/22
F. L. Herrera
- " "
- Ecuador 5/14/22
Dr. Goding
- Guatemala, (Cactus on Escala Reina see photo) 5/30/22
O.F. Cook
- Colorado desert 5/14/22
S.B. Parish = Murray + Johnson #5298
- Virginia, Cape Henry 5/30/22
E.T. Wherry
- Washington, Yakima 5/29/22
Eliot Nelson
- (In cultivation) 5/24/22
E.P. Childs #1
- (In cultivation) 5/24/22
E.P. Childs #2
- (In cultivation) 5/24/22
E.P. Childs #3
- (In cultivation) 5/24/22
E.P. Childs #4
- (In cultivation) 5/24/22
E.P. Childs #5
- (In cultivation) 5/24/22
E.P. Childs

- 22.124 *Echinopsis* 1 (A. Cuthbertson)
- 22.125 *Cereus-Echinocereus munitzii* n. sp. (herb spec) (N.Y.) 1 E.P. Child
Locally abundant on dry rock slopes.
California, Kern County, in the valley of the San Jacinto Mts. Riverside. 5/21/22
- 22.126 *Echinocereus coccineus*. 3 Munz & Johnston #5520
Arizona, Clifton
W.W. Eggleston
- *22.127 *Psilotum nudum* (L.) Griseb. 1 Columbia, Buenaventura Bay on tree 4/2/22
*Not planted - made antel specimen.
E.P. Killip
- 22.128 *Pediocactus simpsonii* 4 Colorado, Manitou 6/7/22
J.M. Johnston (b)
- 22.129 *Coryphantha vivipara* 1 " (a)
- 22.130 ~~*Geantherium pentagonum*~~ 2 Columbia, below Laguna 5/14/22
Pennariocactus griseus (Haw.) Br. R. EP Killip #5412
- 22.131 *Opuntia bella* Br. & Rose 1 " below Laguna
" #5414
- 22.132 *Cactus obtusipetalus* 1 " below Laguna
" #5415
- 22.133 *Zygocactus truncatus* 1 " Cult. at Cambridge, night table 4/1/22
" #5220
- 22.134 *Sodora* 1 " Buenaventura Bay.
" #5228
- 22.135 *Coryphantha vivipara* 1 Colorado, Col. Springs, P. J. Ames
J.W. Goldsmith
- 22.136 " 1 " Mouth of Austin Bluffs 4/1/22
- 22.137 " 1 " Top of Austin Bluffs
- 22.138 *Opuntia* 1 Texas; Austin 6/15/22
Willcom's Tell. (1)
- 22.139 *Opuntia* (Lurida) 2 " (2)

- 22.140 *Echinocactus setispinus* 1
- 22.141 *Mammillaria mitallii* 1
- 22.142 *Mammillaria appplanata* 1
- 22.143 *Echinocactus texensis* 2
- 22.144 *Opuntia* (Tuna) 2
- 22.145 *Opuntia* 2
- 22.146 *Echinocereus reichenbachii* 2
- 22.147 *Opuntia* (Pekka) 2
- 22.148 *Lobelia caribaea* (Anapasco) (ny) 7
- 22.149 *Opuntia* (Anapasco) 1
- 22.150 *Selenicereus spinulosus* 2
- 22.151 *Mammillaria micracantha* (Herb. sp. ny) 1
- 22.152 *Opuntia* 1
- 22.153 *Pachycereus gaudieri* B & R (Herb. sp. ny) 1
seeds & infel, Kds. Boden.
- 22.154 *Echinocereus munitzii* 1
- 22.155 *Dudleya*

- Texas; Austin 6/15/22
- William Tell
- "
- " San Saba Co. (1)
- " (2)
- " (2)
- " (2)
- " (2)
- " (3)
- Peru; Cusco. 3700 a 4000 m. sobre el nivel del mar. 5/1-22
Fortunato J. Herrera
" {El fruto es, de Huarachero. ó sea Cactus Edini?
" {El anapasco. crece en las alrededores del Cusco.
" {Crece en masas, compuestas de 30 a 35 ramas
que apenas sobrepasan del suelo.
" Anapasco y una planta, de Anapasco. - Alto de la
del Cusco 3500 a 4000 m.
- Mexico; Monterrey
- E. P. Jifford
- Arizona; on upper table on right bank of Gila River in
small forest corner of Indian Reservation
R. C. Rose #13 6/14/22
- " Mexican yard near Hotel Landa Co. Monterrey 6/15/22
- "
- Mexico; Izamal Yucatan
- Dr. F. Gaumer
- California; near Valley San Bernardino. Notes. 6/18/22
Locally abundant on dry rocky slopes along north side of
Baldwin Lake
- Mung #5259
- California, (with 5259)

- 22.156 *Echinocereus majaveensis* 2
- 22.157 *Opuntia* 1
- 22.158 (wild yam) 1
- 22.159 *Pediocactus semsonii* 1
(Det.) Bozhan
- 22.160 *Coryphantha ~~canadensis~~* 2
- 22.161 *Mammillaria centricincta* 1
(Det.)
- 22.162 *Coryphantha virifera* 1
- ~~22.163 *Opuntia* (Blank)~~ 1
- 22.164 *Mammillaria* 1
- 22.165 " 1
- 22.166 " 1
- 22.167 *Echinocereus* 1
- 22.168 *Mammillaria wislizenii* 2
- 22.169 *Coryphantha aggregata* (Engelm.) 3
- 22.170 *Hesperocactus* 1
- 22.171 *Coryphantha virifera* 5

- California; San Bernardino ^{locally abundant on dry rocky slopes along divide north-east of Redlands} 7000 ft. 6/3/22
- Mum # 5160
- Georgia; Ft. Barrington
- Edgar T. Wherry 6/22/22
- Santo Domingo
- W. L. Abbott # 2389 1922
- Colorado; Ute Pass Trail near Poudre Ranch 2 1/2 mi. N.W. of Johnston. 6/19/22
- Mexico; between Tancitaro & Santa Fe; common
- H. Reiche
- Mexico "
- " "
- Albino; Jim
- A. Con Harris
- Arizona; Tule Spring, Aravaipa. About 2 mi. south of Aravaipa. 6/11/22
- Ruth C. Ross # 14
- " "
- " # 15
- " "
- " # 16 x
- " # 17 x
- Oklahoma; Tillwater
- C. O. Chambers
- Arizona; Ridge south of Aravaipa
- C. P. Ross 6/26/22
- California; Los Angeles
- Mr. Davidson
- Albino; Banff
- Mrs. Mrs. Walcott

22.172 *Opuntia polyacantha* (my) 1+

22.173 *Mammillaria janseni* 2

22.174 *Mammillaria phellosperma* 1

22.175 *Mammillaria* 1

22.176 *Opuntia fasciata* Engelm. 1

22.177 *Echinocereus blanckii* 4

22.178 *Parnia lasiopecta* (seed) 1

22.179 *Mammillaria mulleri* (my) 1

22.180 *Opuntia basilaris* 2

22.181 *Opuntia truncata* 2

22.182 *Soboria* ~~*Opuntia*~~ *costata* 2

22.183 *Opuntia floccosa* 3

22.184 *Opuntia* 1

22.185 *Cactus coccineus* Br. & R. 2

22.186 *Coryphantha arizonae* 1

22.187 *Echinocereus acuminatus* 1

Albino; Buff.

Dr. + Mrs. C. D. Walcott

Texas, San Mina. de Agui, Cortich, Belguin. 6/17/22
Trenty the last.

Arizona, Bouse 6/26/22
C. R. Orcutt.

Arizona, Wickenburg
C. R. Orcutt.

Texas, Brownsville 6/25/22
R. B. Rogers # 26

" # 25

Arizona, Phoenix
C. R. Orcutt.

California, Los Angeles
W. K. 5/2/22

Bar. " Casco
F. L. H. H. H.

S. Carolina; Marshes, Corner
C. T. Wherry

Veracruz; Coto Blanco 7/2/22
H. Pettit

Utah; El Top, about 2 miles from Soling Exp. Station 7/2/22
O. C. Hansen from C. D. Marsh. (a)

"
"

- 22.188 *Echinocereus coccineus* (ny) 3
- 22.189 *Echinocactus bicolor* 2
- 22.190 *Mammillaria macrocarpa* 1
- 22.191 *Echinocereus coccineus* Engelm. 1
- 22.192 *Opuntia whipplei* Engelm. 1
- 22.193 *Coryphantha runyonii* (ny) 2
- 22.194 *Ariocarpus fissuratus* 1
- 22.195 *Mammillaria multiceps* 1
- 22.196 *Coryphantha pectinata* 1
- 22.197 *Echinocactus horizontalis* 5
- 22.198 *Opuntia echinocarpa* 3
- 22.199 *Echinocactus erectocentrus* 1
- 22.200 *Coryphantha aggregata* Engelm. 1
- 22.201 *Pachylophus marginatus* (not Rydb.) 1
- 22.202 *Echinocereus mitchellianus* (ny) 2
- 22.203 *Mammillaria aggregata* Engelm. (ny) 1 + 1

Utah; Gooseberry Creek 2-3 miles below Salina.
C.D. Marsh (c)

Texas; Rump

Robert Runyon

Arizona; Mt. Graham.

C.R. Orcutt

7/14/22

"

"

"

"

Texas

Robert Runyon

Texas; Langtry, Lincoln Ridge

Geo. L. Fisher #1

"

Rio Grande bluffs under shrubs

#2

"

"

"

#3

"

Gravel hills

"

#5

"

Limestone, under brush.

"

#8

Arizona; Plantano

Orcutt 1922: 706

"

"

717

"

Mt. Hargra, Hala, Wenden.

G.F. Moore.

Arizona; Aravaipa

Near Post Office growing in a circular clump about 1 ft. in diameter. About 20 heads from the top. Very common here but not usually in such large clumps.

Ruth C. Ross #23

Near Mt. Laramie on road to Aravaipa. Heads spherical. Clump as described in Envy weighing 6 lbs and containing 20+ heads. Fairly common.

"

"

#22

7/16/22

22.204 *Opuntia whipplei* 1

22.205 *Mamfeda* 2

22.206 *Mamfeda* 1

22.207 *Mammillaria chlorae* 5+1

22.208 *Speckelia formosissima* 2

22.209 *Mammillaria milleri* 3

22.210 *Echinocereus dasyacanthus* 1

22.211 *Peniocereus greggii* 3

22.212 2

22.213 *Echinocereus fidei* (my) 2

22.214 *Opuntia* 1

22.215 1

22.216 *Cereus* (my) 1

22.217 *Epiphyllum phyllanthus* (my) 2

22.218 *Opuntia brasiliensis* (my) 3

22.219 *Rhipsalis lamarum* (my) (Dead) 2

Arizona, road from Bloddy to Safford, cerise
Horseman. Fr. pend. Ruth C. Rosa #20 7/1/22

Tennessee.
R S Walker

Arizona.
Arcutt #802

Mexico
B.R. Villaseñor (% W.R.M.)
Arizona; Wickenburg; steep dry rocky hillside 7/1/22
F.A. Greeley % O.C. Thompson.

Texas
Susan Rathbone
Texas; east of Fidelity on flat near Topeka Mts. in white limestone.

Columbia. woods near summit of divide between Rio Siquis & Rio Piedras,
west of Popayan, Dept. of Cauca, (alt. 6000 ft.)
Pennell & Kilby # 8202 7/3/22

Chilahoma, Cache.
Frank Rusk.

Peru, below Cuzco 2500 m. 7-1/27
F.L. Herrera

" 1500 m.

"

"

"

" 1200 m.

"

" 1000 m.

"

"

"

| | | |
|--------|---------------------------------|---|
| 22.220 | <i>Ferocactus johnsonii</i> | 2 |
| 22.221 | <i>Echinocereus</i> | 1 |
| 22.222 | <i>Opuntia</i> | 1 |
| 22.223 | <i>Dudleya flava parva</i> | 1 |
| 22.224 | <i>Opuntia pollardii?</i> | 1 |
| 22.225 | <i>Mesembryanthemum doreeii</i> | 1 |
| 22.226 | <i>Mammillaria milleri</i> nsp. | 4 |
| 22.227 | <i>Echinocactus wislizeni</i> | 1 |
| 22.228 | <i>Echinocereus</i> | 3 |
| 22.229 | " | 5 |
| 22.230 | " | 1 |
| 22.231 | " | 1 |
| 22.232 | <i>Mammillaria</i> | 3 |
| 22.233 | " | 1 |
| 22.234 | " | 1 |
| 22.235 | <i>Coryphantha</i> | 5 |

California
James H. Ferriss

Oklahoma, Ada

(Found in 1917.)

Alberta, Gen

A. C. Harris

2/12/22

California, Los Angeles

Dr. A. Davidson

New Jersey, Burlington

Aug 1922

E. F. Wherry

England, 75 St Albans Road, Ilford

C. Dennis O'Donoghue

Arizona, Phoenix

O. C. Thompson

Arizona, Arizpa

Mrs Ruth Ross

"

"

"

"

"

"

"

"

"

"

"

"

"

22.236 *Opuntia* 1

22.237 " 1

22.238 " 1

22.239 " 3

22.240 " 1

22.241 *Foucaea* 1

22.242 *Opuntia*

22.243 *Echinocereus coccineus*

22.244 *Pediocactus simpsonii*

22.245 *Sedum niveum*

22.246 *Rhipsalis*

22.247 (1) *Mammillaria Kewmensiana*

22.248 (2) *M. conzattii*

22.249 (3) *Mammillaria*

22.250 (4) *M. pseudoperbella*

Arizona, Arima
Mrs Ruth Ross.

"

"

"

"

"

Utah; Bet. Saline & Saline Experiment Station, 7,000 ft.
C. D. Marsh. Sept. 6, 1922

Utah, Koosharem Canyon
C. D. Marsh

California; San Bernardino Mts. Dollar Lake
Philip A. Munn Aug. 24

In cultivation at Lynchburg, Virginia
Percy R. Monroe Sept. 1922

Mexico, Oaxaca
C. Conzatti Aug 23

"

"

"

- 22.251 *Echinocactus diguetii*
- 22.252 *Dendrocereus nudiflorus*
(Dead)
- 22.253 *Opuntia prolifera*
- 22.254 *Bergencactus emoryi*
- 22.255 *Opuntia* "West Virginia"
- 22.256 *Hyllocereus purpureus*
- 22.257 *Argemone platyceras bifida* P.
- 22.258 *Sedum*
- 22.259 *Aracacia*
- 22.260 *Prinoscradium*
- 22.261 *Opuntia opuntia* (ny)
- 22.262 *Opuntia* (ny)
- 22.263 *Rhipsalis grandiflora*
- 22.264 *Echinocereus*
- 22.265 *Mammillaria*
- 22.266 *Syltophyllum hassei*

(13394)

Lagoon, Angel de la Guardia Isl. Soc. Cal.
J. M. Johnston - May 2.
Dominica, B. F. Gardner
Joseph Jones, Cherry St. H. Bailey
California, Avalon,
Ezra C. Knopf.

Harpers Ferry, W. Va.
E. T. Wherry, Sept.
Zepher, Tazant, Mexico
C. R. Orcutt
The Lagoon, Angel de la Guardia Island, Soc. Cal.
Ivan M. Johnston 1922
Portland, Oregon
M. W. Gorman. 1922
Seeds from Mexico
Bureau of Chemistry Ph. 3586
" " " " " "

Fort Denison, east of Cuncumeti, Chas.
Edgar T. Wherry Sept. 10, 1922
East of Cuncumeti
E. T. Wherry Sept. 10.
Brazil, Sao Paulo.
A. N. Rose 1915
Guaymas
C. R. Orcutt 1922: 940

" " 1922: 941
Santa Island, California / South Shore near Seal
Ezra C. Knopf No. 1 [Rocks]

22.267 *Stylidium insulare*

22.268 *Stylidium trackae*

22.269 *Echinocactus leueghausi*

22.270 *Coryphantha mukerfodi* (*Mammillaria schaei*)

22.271 *Mammillaria meiacantha* Eng.

22.272 *Mammillaria grahamii* Eng.

22.273 *Mammillaria dasyacantha*

22.274 *Mammillaria setosa*

22.275 *Echinocactus*

22.276 *Mammillaria*

22.277 *Mammillaria*

22.278 *Mammillaria*

22.279 *Mammillaria*

22.280 *Bergerocactus emoryi*

22.281 *Opuntia fragilis*

22.282 *Rhipsalis*

Near Frog Rock, Mid Ranch Canyon
Santa Catalina Island, California

Ezra C. Knapp 1922
Empire Sanding, Stone quarry, Santa Catalina, California

H.E. C. Knapp
Berlin Botanical Garden
Dr. F. Vaupe

New Mexico, Oregon, Ind.

" J.H. Farnie

" "

" "

" "

" "

" "

Mexico, Oaxaca

C. Longatti

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

California, Avalon.

E.C. Knapp

Wich

C.D. Marsh

Germany, Stuttgart.

A. Bied.

Oct. 3, 1922.

Dec. 28, 1922.

22. 283 *Rhipsalis mercklii* Berger. (typical) 2
22. 284 *Rhipsalis oblonga* Lf. (Dead ^{Nov.} '22) 2
22. 285 *Rhipsalis leucorhaphis* 2
22. 286 *Borziocactus acanthocarpus* (Vangel.) R+R 2
22. 287 *Trichocereus peruvianus* R+R. 2
22. 288 (Dead ^{Nov.} 1922) 2
22. 289 *Piperomia* 2
22. 290 *Piperomia* 2
22. 291 *Opuntia pascoensis* R+R. 2
22. 292 (Dead Oct 1922) 2
22. 293 *Euphorbia lanata* (V.B.R.) R+R. 2
22. 294 *Opuntia* 4
22. 295 (Dead ^{Nov.} 1922) 4
22. 296 *Mammillaria* 4
22. 297 *Opuntia* 3
22. 298 *Lemaireocereus thurberii* (Lef.) R+R. 1

- Germany, Stuttgart Gart.
A. Berger.
- Germany, Stuttgart Gart.
A. Berger. (Col. by Prof. Goebel in S. America)
- " " (Pampas, Argentina - Prof. Goebel)
- Peru Field Museum Expedition.
2392
- " # 2391
- " # 2386
- " # 2378
- " # 2390
- " # 2393²
- " # 2387
- " # 2364
- " # 2365
- " no #.
- Mexico, Mazatlan
J. G. Ortega # 4590
- " " no #.
- " # 4587

22. 299 *Echinocereus viridiflorus* Engelm. 1
22. 300 " *stramineus* (Engelm.) Remy. 1
22. 301 *Epithelantha micromeris* Muhl. 1
22. 302 *Mammillaria tuberculata* Engelm. 2
22. 303 *Ferocactus succulentus* R. & R. 1
22. 304 *Quilandinia cristata* (Sed.) 1
22. 305 *Echinocereus fendleri* 3
22. 306 *Mammillaria mainae* 1
22. 307 *Mammillaria*^{near} *grahamii* 5
22. 308 *Mammillaria neandergallii* Rose? 2
22. 309 " " (large plant) 1
22. 310 *Ferocactus covillei* 1
22. 311 *Lemaireocereus echinanthi* R. & R. (Seeds) 1
22. 312 *Ferocactus* (Seeds) 1
22. 313 *Rhipsalis* 2
22. 314 *Rhipsalis* 2

New Mexico, Los Cruces Oct. 4, 1922

Jas. H. Ferriss # 264

" # 264 a

" # 263

" # 265

" # 262

Mexico, Sonora

Orcutt.

" Under mesquite, San Ignacio near Magdalena.

" # 1922:1328

" # 1922:1327

" Near Magdalena.

" # 1922:1273

" # 1922:1274

" # 1922:1274

"

El Salvador, Vicinity of Sonsonate, Dept. de Sonsonate Mar. 19-27 1922 Alt. 270-300 m.

P. C. Standley # 22328

Mexico, west coast

Ortega

Brazil, Jardim Botânico Rio de Janeiro

P. Campos Porto # 22

" # 49

- 22.315 *Rhipsalis* 2
- 22.316 *Rhipsalis pulvinigera* 2
- 22.317 *Rhipsalis nana - arborescens* 2
- 22.318 *Rhipsalis burchellii* Rose 2
- 22.319 *Rhipsalis parsonsii* 2
- 22.320 *Rhipsalis pulvinigera* 2
- 22.321 *Rhipsalis megalantha* 2
- 22.322 *Rhipsalis pulvinigera* 2
- 22.323 *Rhipsalis pulvinigera* 2
- 22.324 *Conopsea sulcata* (fruit) 1
- 22.325 *Opuntia macrochiza* 1
- 22.326 *Mammillaria occidentalis* 4
- 22.327 *Mammillaria texensis* 3
- 22.328 *Mammillaria echinops* 1
- 22.329 *Mammillaria meracantha* 1
- 22.330 *Opuntia lindheimeri* 3

Brazil; Jardim Botânico Rio de Janeiro.
P. Campos Pitt # 67

" " # 68

" " # 12

" " # 54

" " # 21

" " # 38

" " # 13

" " # 6

" " # 35

Texas; Polytchnic A. Ruth. Oct. 19, 1922

Mexico; Manzanillo S.E. Aguirre (American Vice Consul in charge) June 6, 1922

Texas; Langtry off road. July 12, 1922
Geo. L. Fries # 213.

New Mexico; Changuito J.H. Ferris # 269

Texas; Uvalde John C. Hamlin. Oct. 20, 1922

22. 331 *Mammillaria* 6
22. 332 *Mammillaria sumigleyi* n. sp. 3
22. 333 *Echinocereus setispinus* Br + R. 3
22. 334 *Mammillaria* 3
22. 335 *Lobelia corbata* Hemm Br + R. 1
22. 336 *Echinocereus* 1
22. 337 *Opuntia santa-rita* 2
22. 338 *Opuntia delicata* Rose 1
22. 339 *Echeveria runyonii* Rose type 1
22. 340 *Anthurium* 5
22. 341 *Asclepias* = *Podostemon* *hutchinsonii* Greene 1
22. 342 *Rhipsalis* (Dend ^{new} 1922) 1
22. 343 *Opuntia basilaris* 1
22. 344 *Hylocereus polyrhizus* Br + R. 2
22. 345 *Rhipsalis corymbosa* *baccifera* 3
22. 346 *Walterocereus panamensis* Br + R. 2

- Mexico, Mucos Parita, Sonora Sept 10, 1922
Orcutt 1922. 1248
- " , Juarez, Sonora
" 1922. 941
- " " 1922. 940
- " Magdalena, Sonora
" 1922. 1273
- Peru, Cusco Alt. 3200-3600 m.
Fortunate & Herrera # 7
- Arizona, Nogales Oct. 14, 1922
Orcutt 1922. 1382
- " " 2.5 ft. high
" # 1922. 1385
- " " # 1922. 1384
- Texas, Brownsville. Oct 22, 1922
Robert Runyon
- " "
- " "
- Peru, near Cuzco
F. L. Herrera
- Qui to San Fale
- Panama
E. P. Killip % P. W. Powell.
- " "
- " "
- " "

- 22.347 *Epiphyllum* (Dead ^{now} 1922) 2.
- 22.348 *Opuntia pascoensis* B. & P. 2
- 22.349 *Pedilanthus* 1
- 22.350 *Rhipsalis rosea* (Lag.) W. J. 2
- 22.351 *Echinocereus fenderi* 1
- 22.352 *Acanthocereus* 1
- 22.353 *Opuntia nigricans* 2
- 22.354 *Hylocereus* 3
- 22.355 *Opuntia bella* 244
- 22.356 *Opuntia* 1
- 22.357 *Cactus obtusipetalus* 2
- 22.358 *Leucosticte humilis* B. & P. 1
- 22.359 *Apheloceros columbianus* B. & P. 4
- 22.360 *Mammillaria muelhlenfordii* 1
- 22.361 *Echinocereus rosei* 1
- 22.362 *Mammillaria grahamii* 1

Panama

- EP/Killip & R.W. Powell.
Peru, Huancayo.
Field Museum Expedition # 2450.
Mexico, Nogales.
Mr. Corpe.
Germany.
Berlin Bot. Gard.
Arizona, Nogales.
Orcutt 1922. 1289.
Panama, Bella Vista, Bar of Panama Oct. 16, 1922
E.P. Killip # 12015
" " 12049
" " 12030
Columbia, Espinal, Dept. del Valle.
Killip & Hazen # 11107 Sept. 7, 1922
" El Zonzol " Aug. 21, 1922
" Burrell, Killip & Hazen # 8386
" Espanol, Dept. del Valle.
Killip & Hazen # 11108 Sept. 7, 1922
" # 11104
" # 11107
New Mexico, Fort Huachuca, S. end of Sacramento Mts. at 5000 ft.
Jas. H. Fisher # 2280 Oct. 26, 1922
" # 221 alt 2000 ft.
" # 272

- 22-363 *Echinocereus standleyi* 1
- 22-364 *Sabal texana* 1
- 22-365 *Senecioium griseum* (Fend.) (Dud.) 1
- 22-366 *Mammillaria sulcata* 4
- 22-367 *Mammillaria karwinskiana* Mont. 5
- 22-368 *Mammillaria pseudo-purpurea* Small. 6
- 22-369 *Mammillaria pyrrhocapula* Scheuch. 2
- 22-370 *Mammillaria retusa* 4
- 22-371 *Pericactus latipinnus* (Haw.) Dr. R. 1
- 22-372 *Haecanthus Kessleri* Dandon ^{2/3} 1
- 22-373 *Lobelia corbula* (Haw.) Dr. R. 1
- 22-374 *Opuntia tunicata* LC 2
- 22-375 *Echinocereus* 2
- 22-376 *Erdia squarrosa* (Thunb.) Br. & R. 3
- 22-377 *Mammillaria recurva* 2+1
- 22-378 *Mammillaria* 1

- New Mexico, S. end of Sacramento Mts. at night.
 Yes. 17. Ferns # 283 Oct 7, 1922
- Texas, Brownsville
 Robert Brown
- Columbia
 Pennell.
- Texas, Polytelmia
 A. Rost. Nov. 8, 1922
- Mexico, Oaxaca de Juarez
 C. Conzatti # 10 Nov. 2, 1922
- " " # 11
- " " # 12
- " " # 13
- " " # 14
- California, near Los Angeles
 A. Davidson Nov. 14, 1922
- Penn., near Cuzco.
 Fortunate L. Herrera
- " " # 8
- " Rio de Parana. # 10
- " " # 11
- Arizona, Nogales.
 Orcutt # 1922: 1391.
- Mexico, Yalisco 1600 m.
 Reko # 40390 Sept 5, 1922

- 22.379 *Mammillaria* 1
 22.380 *Mammillaria* 2
 22.381 *Opuntia* 1
 22.382 *Mammillaria* 1
 22.383 *Opuntia imbricata* 1
 22.384 *Opuntia* 1
 22.385 *Opuntia* 1
 22.386 *Opuntia* 1
 22.387 *Opuntia* 1
 22.388 *Mammillaria jaliscana* 2
 22.389 *Gleditsia triacanthos* 1
 22.390 *Hylocereus* 1
 22.391 *Opuntia* 1
 22.392 *Opuntia exaltata* Engelm. 1
 22.393 *Echinocereus rigidissimus* 3
 22.394 *Echinocereus fendleri* 1

- Mexico: Colima Sept. 5, 1922
 " Rho # 4391
 " Yal. Oct. 9,
 " # 4392
 " # 4395 Oct. 8,
 " Zacatecas City Oct.
 " % Groichner # 4401
 " # 4403
 " # 4404
 " # 4405
 " # 4407
 " # 4408
 " # 4410 Nov. 2, 1922
 D.C., 14th St. Nov. 25, 1922
 Dr. Rose
 California, Chico Nov. 20, 1922
 SPI 51763 Foreign Seed & Plant Introduction,
 Peru, Prov. de Puno, 3400 m. Nov. 20, 1922
 Fortunato & Wenera 1/2
 " , Barro de Pancasambo 3450 m.
 " # 13
 Arizona, Nogales
 " Orcutt
 " # 1922: 1389

- 22.395 *Opuntia spinocarpa* 1
 22.396 *Opuntia santa-rita* 4
 22.397 *Opuntia* 1
 22.398 *Echinocactus* 1
 22.399 *Mammillaria* 1
 22.400 *Opuntia fulgida* 1
 22.401 *Opuntia lindheimeri* 1
 22.402 *Opuntia leucotricha* 1
 22.403 *Opuntia fragilis* 1
 22.404 *Opuntia arborescens* 1
 22.405 *Opuntia arborescens* 1
 22.406 *Mammillaria similis* 1
 22.407 *Mammillaria robustispina* 1
 22.408 *Cactus melocactus* 10
 22.409 *Opuntia spinosissima* 5
 22.410 *Opuntia fuscus-die* 2

Arizona; Nogales
 Archt 1922:1291

" " 1922:1383

" " 1922:1392

Germany
 Munich
 Mexico near Toluca
 A.P. Rebo. No 4401

Texas, Austin Dec 7, 1922
 William Tell

" "

" "

" "

" "

" "

" "

Arizona; Continental Dec 7, 1922
 Archt 1922:1393

Norcross Island
 Lighthouse service

Texas; Gulf Coast Sept 1, 1922
 Thap. #1

- 22.411 *Mammillaria similis* 3
 22.412 *Mammillaria sulcata* 2
 22.413 *Rhipsalis heterae* 2
 22.414 *Erdia* 2
 22.415 *Mammillaria* 1
 22.416 *Mammillaria* (one dead) 2
 22.417 *Mammillaria* 2
 22.418 *Coupantha* 1
 22.419 *Mammillaria* 1
 22.420 1
 22.421 *Mammillaria solisii* Rose 1
 22.422 *Mammillaria* 1
 22.423 *Coupantha* Dead $\frac{2}{3}$ 1
 22.424 *Opuntia* 1
 22.425 *Mammillaria* 1

Texas, Gulf Coast. Sept 1, 1922.
 B. C. Sharp.
 , Edwards Pl. House near Austin

Peru, Prov. de la Convencion - alt 1000-1500 m.
 Fortunato L. Herrera #16 Oct. 17, 1922.

Peru, Prov. de Utcubamba 2000 m.
 " #14 Oct. 16, 1922

Mexico, Buenavista, ^{de Cuellar} Guerrero
 Prof. Muñoz & Solis #1

Mexico, Caborca, Sonora.
 Prof. Gallegos & Solis #3

Mexico, Mazant.
 Agente del Gobierno & Solis #7

Mexico, Guerrero
 Muñoz. Solis #8.

Mexico, Guerrero
 " #9

" #11

" #12

" #2

" #5-2

Mexico?
 #1330

Guadalupe, El Risio.
 Herrera. G. C. Solis #10

1923

23.1 *Dudleya rusbyi* (13)

23.2 *Mammillaria tetrancistræ* (11)

23.3 *Mammillaria milleri* n.p. (11)

23.4 *Mammillaria milleri* n.p. (11)

23.5 *Rhipsalis* (11)

23.6 *Mammillaria lema* (11)

23.7 *Dead* ^{2/13/23} (12)

23.8 *Cereus* (12)

23.9 *Opuntia brasiliensis* Willd. (12)

23.10 *Opuntia* (12)

23.11 *Opuntia echinocarpa* (12)

23.12 *Opuntia montevideensis* (12)

23.13 *Opuntia montevideensis* (12)

23.14 *Agave vilmoreniana* Boger (12)

23.15 *Echinocactus* (11)

23.16 *Hylocereus* (11)

Arizona; Sabino Canyon, Santa Catalina Mts.
Edwin B. Bastian.

Arizona; Yucca.
Mrs Bly. #1

" " #2

" " #3

Brazil, Rio de J.
Campos Porto. #1179

Texas, Alpine = Terlingua road.
Yas H. Ferris.

Peru Oct 27, 1922
F. L. Herrera #19

" , Rio de la Convencion
" #20

" " #21

" Rio de Guisquianchi
" #23

Arizona, Nogales.
C.R. Orcutt 1923: 2

Uruguay, beach at Pocitos. Oct 17, 1922
Hugh Smith.

" , Lober Id.
"

Mexico, Guadalajara, 15 m alt.
Rebo # 4595

Mexico, Toluca
Rebo # 4478

Mexico, Tehuacan
Rebo # 4591

23.17 *Hyloteus* (1)

23.18 *Selenicereus* (1)

23.19 *Mammillaria* (1)

23.20 *Aporocactus* (1)

23.21 *Nyctocereus saxaceus* (1)

23.22 *Mammillaria occidentalis*

23.23 *Bryophyllum pruinatum* (Cud) (1)

23.24 *Selenicereus donkelaei* (Salm-Dyck)

23.25 *Ariocarpus Lloydii* Rose (2)

23.26 *Astrophytum myriostigma* Lam. (1)

23.27 *Lanophyllum guttatum* Rose (2)

23.28 *Sedum palmeri* (2)

23.29 *Sedum diffusum* (2)

23.30 *Echeveria simulans* Rose (1)

23.31 *Selenicereus spinulosus* (De) Brit R. (1)

23.32 *Mammillaria raysonii* Brit R. (1)

Mexico; Tehuacan
Rebo # 4592

Mexico, Tamaulipas
Rebo # 4593

Mexico, Tonala, Chiapas
Rebo # 4596

Mexico, " # 4597

Mexico, " # 4598

Mexico, Manzanillo.
Consular Service (American) S.E. Aguirre

Peru. MacBride # 2420 1922

Yucatan, Mexico
S.G. Morley 2/25/20

Mexico, San Pedro, Coah.
A.F. Moeller

Mexico, Chico Mountain, near Monterey. 3/16/20
Robert Purpus

" Santa Catarina mts.

"

"

"

"

- | | | | | |
|-------|--|-----|---------------------------------------|--------|
| 23.33 | <i>Ferocactus cylindraceus</i> | (1) | California, Whitewater, Riverside Co. | |
| | | | Greutt. | |
| 23.34 | <i>Ferocactus lecontei</i> | (1) | Arizona, Phoenix | |
| 23.35 | <i>Lupinus</i> | (2) | Peru | 1922 |
| | | | Macbride and Featherstone # | 1300 |
| 23.36 | <i>Lupinus</i> | (2) | Peru, cultivated at Huancayo | |
| | | | " | |
| 23.37 | <i>Echinomastus dasyanthus</i> | (3) | Texas, El Paso | |
| | | | EW. Slater | |
| 23.38 | <i>Opuntia schottii</i> | (1) | " | |
| | | | " | |
| 23.39 | <i>Echinocactus horizontalis</i> | (1) | " | |
| | | | " | |
| 23.40 | <i>Cactus hodgsonii</i> B+R | (1) | Columbia , Tolago | |
| | | | M. Chizzola | |
| 23.41 | <i>Opuntia pascoensis</i> B+R | (3) | Peru, Chosica | 3/1/23 |
| | | | J.F. Macbride # 2850 | |
| 23.42 | <i>Opuntia sphaerica</i> Forst | (3) | " | |
| | | | " # 2849 | |
| 23.43 | <i>Binghamia acantha</i> B+R | (5) | " | |
| | | | " # 2848 | |
| 23.44 | <i>Cactus townsendii</i> B+R | (1) | " | |
| | | | " # 2852 | |
| 23.45 | <i>Euphorbia lanata</i> B+R | (1) | " | |
| | | | " # A | |
| 23.46 | <i>Binghamia melanostele</i> B+R | (3) | " | |
| | | | " # 2851 | |
| 23.47 | <i>Lemaireocereus lactus</i> B+R | (1) | " | |
| | | | " # 2844 | |
| 23.48 | <i>Dudleya</i> = <i>Graptopetalum bartramii</i> nsp. | (1) | Arizona, Patagonia Mts. | |
| | | | E.B. Bartram | |

23.49 *Selaginella bigelovii*

23.50 *Mammillaria similis*

23.51 *Opuntia stenochila* Engelm.

23.52 *Astrophytum capricorne*

23.53 *Thelocactus bicolor*

23.54 *Echinocactus horizontalis*

23.55 *Mammillaria pottii*

23.56 *Echinocereus reichenbachii*

23.57 *Coryphantha*

23.58 *Epithelantha micromeris*

23.59 *Mammillaria denuda*

23.60 *Echinocereus*

23.61 *Ferocactus lamatacanthus*

23.62 *Mammillaria*

23.63 *Mammillaria*

23.64 *Mammillaria meiacantha*

(1)

(2)

(1)

(4)

(3)

(3)

(2)

(3)

(2)

(2)

(2)

(2)

(3)

(1)

(1)

Ojai, Calif.

Caroline C. Haynes

Mar. 1923

Texas, Austin

University of Texas Bot. Dept.

Arizona, Kernville Bluffs 20 mi n. of Casa

E. A. Goldman

Apr. 3, 1923

Mexico, S. Pedro, Coah.

A. F. Moeller #1

#2

#3

#4

#5

#6

#7

#8

#9

#10

#11

#12

#13

- | | | | | |
|-------|-----------------------------------|-----|-------------------------------------|--------------|
| 23.65 | <i>Ferocactus</i> | (1) | Mexico, S. Pedro Co. | |
| | | | A. F. Moeller | # 14 |
| 23.66 | <i>Neolloydia conoidea</i> | (1) | | # 15 |
| 23.67 | <i>Opuntia compressa</i> | (1) | Connecticut, New Haven (West Rock) | |
| | | | Edgar T. Wherry | |
| 23.68 | <i>Opuntia</i> | (1) | Milford, Ct. | |
| 23.69 | <i>Allium pseudobulbiferum</i> | (1) | California, Palmdale, Mohave Desert | Apr. 1, 1923 |
| | | | A. Davidson 3562 | |
| 23.70 | | (1) | El Paso, Texas | |
| | | | Elsie McElroy Slater | # 2 |
| 23.71 | <i>Echinocereus viridiflorus</i> | (1) | " | |
| | | | | # 3 |
| 23.72 | <i>Echinocereus viridiflorus</i> | (1) | " | |
| | | | | # 4 |
| 23.73 | <i>Echinocereus chloranthus</i> | (1) | " | |
| | | | | # 5 |
| 23.74 | <i>Echinocereus viridiflorus</i> | (1) | " | |
| | | | | # 6 |
| 23.75 | <i>Echinocereus chloranthus</i> | (1) | " | |
| | | | | # 7 |
| 23.76 | <i>Coryphantha neomexicana</i> | (1) | " | |
| | | | | # 8 |
| 23.77 | <i>Opuntia truncata macbridei</i> | (3) | Perm. | |
| | | | Macbride | # 0260 |
| 23.78 | <i>Opuntia truncata</i> | (2) | " | |
| | | | | # 3250 |
| 23.79 | <i>Echeveria</i> | (2) | " | |
| 23.80 | <i>Mammillaria</i> | (1) | Mexico, San Pedro, Coahuila | |
| | | | Arthur F. Moeller | # 1. |

- 23.81 *Opuntia tunicata* Lindl. & Otto (1)
 23.82 *Opuntia tunicata* Lindl. & Otto (form) (1)
 23.83 *Echinocereus pectinatus* Engelm. (1)
 23.84 *Coryphantha radicans* (DC) (1)
 23.85 *Coryphantha radicans* (DC) (1)
 23.86 *Echinocereus pectinatus* Engelm. (1)
 23.87 *Dudleya* (1)
 23.88 *Araucarioxylum Sch.* Sent to NY (1)
 23.89 *Opuntia brachycephala* Willd. (2)
 23.90 *Mammillaria macdougalii* Sent to NY (1)
 23.91 *Opuntia virens* (1)
 23.92 *Echeveria whitei* nsp. (3)
 23.93 *Ferocactus lecontei* (1)
 23.94 *Echinocereus fendleri* (2)
 23.95 *Mammillaria sheldonii* (4)
 23.96 *Agave shottii* (5)

Mexico, San Pedro, Coahuila
 Arthur F. Moeller #2

"

#3

"

#4

"

#5

"

#6

"

#7

Arizona

J. J. Thorne

Pima, Prov. de la Convencion, ^{valle de San 800-1500 m.} May 15, 1923.
 valle de Santa Ana y Calce
 F. L. Herrera

"

"

Arizona, Catalina Mts. alt 4000 ft.

W. T. MacDougal (Tucson Arizona)

Kew 1902

NYBG # 13614

Bahia (Mulford Exped)

Orland E. White

Mexico, Sonora

D. T. MacDougal

"

"

"

"

"

"

23-97 Agave

23-98 Conypantha.

23-99

23-100 Opuntia humifusa (Seed)

23-101 Selaginella lepidophylla

23-102 Opuntia

23-103 Rhissalis heteroclada

23-104 Rhissalis penduliflora

23-105 Cissus rhombifolia

23-106 Epiphyllum strictum

23-107 Epiphyllum phyllanthus

23-108 Hylocereus monacantha

23-109 Pereskia conzattii B. & R. (Seed)

23-110 Mammillaria pottsii

23-111 Echinocereus dasyacanthus

23-112 Echinocereus

(1) Mexico, Sonora

(1) California² D.T. MacDougal

(1) E.C. Root, 209 N. Stoneman St. Alhambra Calif.

(1) Peru

(1) Machide with # 810 (1923)

(3) Kentucky, Cliffs of Kentucky River, Camp Nelson
E.T. Wherry

(2) Texas, El Paso.

(1) Mrs. S. L. Pattison

(1) N. Carolina, near Wilmington

(1) D.W. Gross thru Y. H. Small

(1) Brazil, Ilha Grande

(1) 43053 [Peru 20.371]

(1) "

(1) 43050 [Peru 20.250]

(1) Panama, Balboa Heights C.Z.

(1) W. R. Macdon 6761

(1) "

(1) " 6706

(1) "

(1) " 6707

(1) "

(1) " 6705

(1) Mexico, San Gueronimo, Oaxaca

(1) Ch. Purpus

(1) Texas, 80 mi S of Marfa

(1) S. L. Pattison (Camutillo, Box 78) #1

(1) "

(1) " #2

(1) "

(1) " #3

June

June 5, 1923

May 1923

June 1923

23. 113 *Acanthocereus floridanus* n. sp. (2)

23. 114 *Selenicereus spinulosus* (2)

23. 115 *Epiphyllum* (1)

23. 116 *Epiphyllum oxypetalum* (cult.) (2)

23. 117 *Epiphyllum oxypetalum* (cult.) (1)

23. 118 *Epiphyllum* cult. (1)

23. 119 *Epiphyllum* cult. (1)

23. 120 *Selenicereus* (cult.) (2)

23. 121 *Rhipsalis coccinea* (cult.) (1)

23. 122 *Acanthocereus pentagonus* (2)

23. 123 *H. ...* (2)

23. 124 *Stylaptyllum edule* (Mitt.) B. & R. (2)

23. 125 *Dudleya delicata* Rose. (2)

23. 126 *Epiphyllum adelinae* n. sp. (2)
Dud. July 1924. B. & R. ...

23. 127 *Dudleya* (1)

23. 128 *Cactus oaxacensis* B. & R. n. sp. (1)

Florida

Mexico (Mexico?) J. R. Small June 15, 1923

Ill. (cult.) Dr. Miles Medical Co., H. B. Gampher. June 16, 1923

Panama, Balboa C. Z. Mrs. Paul Brundage (General R. #1) June 13, 1923

W. R. Maxon, # 6768.

6836

6833

6835

6834

6925

Panama, One mile E. of Panama City June 12, 1923
W. R. Maxon # 6967
(with 6962)

6968

California, SW corner of Riverside Co. June 19, 1923
P. A. Murray 7130 (Panama City, Panama C. Z.)

7131

Panama, Balboa cult. in garden of C. W. Powell. from (Juan Diaz region)
W. R. Maxon # 7079.

California, Fish Canyon, San Gabriel Mts. June 20, 1923
A. Davidson 5528.

Mexico, Zaenapan, Vera Cruz. June 16, 1923
C. A. Purpus.

- 23.129 *Peuskia conyati* B+R (1)
oaxacana
- 23.130 *Nyctocereus guatemalensis* B+B (12)
- 23.131 *Cephalocereus collinsii* B+R n. sp. (14)
- 23.132 *Neomammillaria collinsii* B+R n. sp. (13)
- 23.133 *Acanthocereus pentagonus* (2) B+B (1)
- 23.134 *Opuntia*
- 23.135 *Coryphantha nemeritana* (13)
- 23.136 *Passiflora ~~seemannii~~ vitifolia*
- 23.137 " *trisetosa*
~~leptostachya~~ Lam.
- 23.138 *Cucurbitaceae?* seed det. by R. S. Gentry
- 23.139 *Sedum ~~obtusatum~~ ouyana* (Muhl.) Pers. (1)
(seed)
- 23.140 *Cephalocereus ~~tenax~~ collinsii* (14)
(seed)
- 23.141 *Leptocereus leoni* B+R. (1)
(seed)
- 23.142 *Lidanea* Bromeliad. (1)
- 23.143 *Coryphantha comensis* B+R. (1)

San Jeronimo, Oaxaca
Mexico, ~~Veracruz~~ Zampapan, ~~Huasteca~~ Yucatan, 1923.
C.A. Purpus.

6(1)

5

6

7

8

California, Alhambra
E.C. Root.

June 25 1923.

Japia River, Panama (Hort. & Soc. mod. b. 1/2 in.)
M.R. Mayon 6683 6/1/23

Zacapan, Vc. Mex.
C.A. Purpus (#4)

Veracruz

Rancho Tadero (sent by Purpus) 5/23/23

B.C., Agassiz

J.C.V. Piper thru C.F. Newcomb 7/9/23

Mexico, Tehuantepec

C.A. Purpus

1923

Cuba, Top of Loma de Somonostro Yamaica (Havana)

Leon + Roig. # 11446.

6/2/23

Mexico, Barranca, ~~Veracruz~~ Guadalupe

Rebo #4712

Mexico, ?

May 1923

Goeschmer #4705 (Rebo)

23-144 Mammillaria magnimamma (1)

23-145 Mammillaria auriceps (1)

23-146 Mammillaria scurpeiana B+R (1)

23-147 Mammillaria jaliscana B+R (1)

23-158 Ferocactus Echinocactus (1)

23-159 Lemniscus brevis (1)

23-160 Nyctocereus serpentinus (1)

23-161 Dierama testudo B+R (1)

23-162 Selenicereus (1)

23-163 Apocactus (1)

23-164 Acanthocereus (1)

23-165 Hylocereus undatus (1)

23-166 Hylocereus purpurii (1)
"Pitajaya"

23-167 Acanthocereus (1)

23-168 Cactus oxycarpus (1)

23-169 Mammillaria esseriana B&D sp. (1)

Numbers missing in 1st book

Mex 23-148

? 23-149

Mex 23-150

Mex 23-151

Mex 23-152

Mex 23-153 Pachycereus gaudieri

Mex 23-154

Mex 23-155

Mex 23-156

Mex 23-157

Mex ~~23-158~~

Mex

Mex

Mex

Mex

Mex

Germany (Central America) Coln. un. Rhein.
Boediker

23-144 Mammillaria magnanima (1)

23-145 Mammillaria auriceps (1)

23-146 Mammillaria scurpeiana B+R (1)

23-147 Mammillaria jaliscana B+R (1)

23-158 Perocactus Edmonstonei (1)

23-159 Lemniscus treleasei (1)

23-160 Nyctocereus serpentinus (1)

23-161 Deamia testudo B+R (1)

23-162 Selenicereus (1)

23-163 Apocactus (1)

23-164 Acanthocereus (1)

23-165 Hylocereus undatus (1)

23-166 Hylocereus purpusii (1)
"Pitajaya"

23-167 Acanthocereus (1)

23-168 Cactus oaxacensis (1)

23-169 Mammillaria esseriana Böd sp. (1)

Mexico; Valle de Mexico May 1923

Groeschner # 4699 (Rebo)

?

May 1923

Groeschner # 4204 (Rebo)

Mexico; Barranca ^{Huana} Jalisco

May 1923

Rebo # 4707

Mexico; Barranca Huana, Guadalupe

Rebo # 4707

Mexico? local

May 1923

Groeschner # 4706 (Rebo)

Mexico; Guitla Oax.

1923

Rebo 4716

Mexico; Jalisco (cult)

May 1923

Rebo 4700

Mexico; Loma Bonito. Oax.

Apr 1923

Rebo 4697

Mexico; Sta Lucrecia Ver.

Apr 1923

Rebo 4696

Mexico; Sta Lucrecia Ver.

May 1923

Rebo 4711

Mexico; Tuxtla, Oax.

Apr 1923

Rebo 4701

Mexico; Cuernavaca? Morel?

Apr 1923

Rebo 4715

Mexico; Jajala Jalisco

May 1923

Rebo 4702

Mexico; Tuxtla, Oax.

May 1923

Rebo 4714

Mexico; Tehuacan

Rebo

Germany, (Central America) Coln am Rhein.
Boediker

23-170 *Mammillaria gracilis* Eng. (1)

23-171 *Mammillaria multicaudata* B&D (1)

23-172 *Mammillaria gracilis robusta* (2)

23-173 *Mammillaria subtilis* B&D spec. (1)

23-174 *Mammillaria sphaerica* Dietr. (1)

23-175 *Echinocactus fassensianus* B&D (1)

23-176 *Oudleya rushii* (1)

23-177 *Lemaireocereus* (2)

23-178 *Opuntia* (1)

23-179 *Opuntia* (1)

23-180 *Opuntia* (1)

23-181 *Yucca* (2)

23-182 *Opuntia polycantha* Haw. (1)

23-183 *Olea* var. L. (1)

23-184 *Armoia* (1)

23-185 *Rhipsalis maxonii* (3)

Germany, Coln an Rhein
Boedeker

"

"

" (Mexico)

"

"

"

"

Arizona

Mrs. Mary Wright. % Geo William Bassett. July 12,

Texas, near Brownsville

Robert Penyon.

Georgia, % Prof. L.

W.R. Mc. Attee.

June 23, 1943

"

"

"

"

, Potham Hammock

June 24, 1943

Mexico, 50 mi. W. of Matamoros

Robert Penyon

July 18, 1943

Wyoming, near Thermopolis

Dana Lee #1.

July 14, 1943

Guatemala City

% J. J. Salas

Nicaragua, Mombacho volcano.

W.R. Maxon 7255

25.186 *Opuntia polyacantha*

23.187 *Epiphyllum*

23.188 *Lemaireocereus aragonii*

23.188a " " (seed)

23.189 *Hyloteuichus*

23.190 " "

23.191 *Opuntia polyacantha*

23.192 *Pedircactus simpsonii*

23.193 *Opuntia polyacantha*

23.194 *Opuntia polyacantha*

23.195 *Coryphantha virgata*

23.196 *Opuntia polyacantha*

23.197 *Opuntia*

23.198 *Opuntia*

23.199 *Pedircactus simpsonii*

23.200 *Opuntia*

(1) Montana, Warren, Rocky Soil
Dana Lee #2

(1) Costa Rica
W R Maxon 8278

(1) " " 7858

(1) " " 7858 #4

(1) Nicaragua
" 7168

(2) " " 7199

(2) Montana Sandy soil near Billings.
Dana Lee #3. Aug 1, 1923

(1) Utah, Salina
C D Marsh.

(3) Montana, Roundup (Rocky Soil)
Dana Lee #4 Aug 5, 1923

(1) " 10 mi n. of Roundup, Devils Basin
" #5 Aug 7, 1923

(2) " " #5a

(4) " Gardiner #6 Aug 10, 1923

(1) Utah: Burkes
Marion E. Jones #1 June 29, 1923

(2) " Egan Canyon.
" #2

(2) " " #4

(2) " " #3

23.201 *Opuntia polyacantha* (3)

23.202 *Sedum = Gormania origana* Britt (12)

23.203 *Lemaurococcus eburneus* (1)

23.204 *Cephalocereus palmieri* B+R (1)

23.205 *Anastrocactus megarhiza* (5)

23.205a " " (2) (2)

23.206 *Echinocereus reichenbachii* (3)

23.207 *Astrophytum asterias* (5)

23.208 *Neomammillaria hemisphaerica* B+R (13)

23.209 *Echinofossulocactus* (1)

23.210 *Echinocereus* (1)

23.211 *Rhipsalis coccinea* Jacq. (1)

23.212 *Pediocactus simpsonii* (4)

23.213 *Composita vivifera* (12)

23.214 *Pediocactus simpsonii* (11)

23.215 *Ipsomoea* (1)

Wyoming, Arch / Rocky soil / Aug 16, 1923
Dana Lee # 7

B. Columbia, Victoria Aug 14, 1923
C. F. Newcombe

N. Mexico Aug 8, 1923
A. V. Fric

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

23.216 *Cassia grandis*

(seed)

23.217 *Gormania oreana*

23.218 *Sedum divergens*

23.219 *Mesembryanthemum crystallinum*

23.220 *Cephalocereus bartschii* nsp.

23.221 *Dylocereus undatus* (Haw.) B. & R.

23.222 *Opuntia dillenii* Haw.

23.223 *Manfreda ligula*

23.224 *Escobaria tuberculata* (see 23.225) +2

23.225 *Opuntia leptocaulis*

23.226 "

23.227 *Echinocactus horizontalis*

23.228 *Coryphantha macromeris*

23.229 *Echinocereus dasyacanthus*

23.230 *Mammillaria arizonica*

Chamaecrista *San Francisco*

W. L. Abbott 7107

Agassiz, Lower Fraser river, B.C.

8/9/23

W. B. Anderson

Stuart's Lake, B.C.

Scarborough, Maine

A. H. Norton

9/15/23

San Salvador I., Bahamas

Paul Bartsch.

1921

Georgia; Lookout Mt. above
Moultrie.

9/26/23

Carlsbad, N. Mex.

9/29/23

W. S. Lee

Mt. Graham, Ariz. Chlorent
also found at 4700 ft.

23. 231

Lilium or *Anagallis*

23. 232 *Salvia ludeni* Bth

23. 233 *Verbena elegans*

23. 234 *Sedum moranense*

23. 235 " *diversifolium*

23. 236 " *arifolium*

23. 237 *Echeveria*

23. 238 *Sedum frutescens*

23. 239 *Peperomia umbilicata*

23. 240 *Sedum boeticum* Gaud.

23. 241 *Crassula indica*

23. 242 "

23. 243 *Sedum oxypetalum*

23. 244 " *diversifolium*

23. 245 "

Eymontiers, Haute-Vienne, France
G. Thomas-Beris

(South Africa)

Lake Tahoe, Calif., Kessler
(Davidson 3580) Sept. '23

- 23.246 *Echinocereus reichenbachii*
- 23.247 *Neolloydia Conopsea schottii* →
- 23.248. *Echinocereus delaceti* Giesb.
- 23.249 (Cactus) seed
- 23.250 *Epiphyllum crenatum*
- 23.251 *Selenicereus macdonaldiae*
- 23.252 *Selenicereus*
- 23.253 *Opuntia basiliensis*
- 23.254 *Opuntia*
- 23.255 *Opuntia* (see 23.224)
- 23.256 *Echeveria whitii*
- 23.257 *Neomammillaria* (spines straight)
- 23.258 *Neomammillaria* (spines hooked)
- 23.259 *Conopsea schottii* large seeds
- 23.260 *Conopsea heyeri* (small seeds)
- 23.261 *Echinocereus*

Uvalde, Texas
J.C. Haurin

Oct. '23

San Pedro, Coahuila, Mex.
A. F. Moeller

Sept 23

1) Ecuador, Quito Oct 15, 1923

Chapman % Anchany % Söderström

12) Ill. Chicago cult. *Flower red*
Richard Kuschel #1

Oct. 16, 1923

1) " #2

1) " #3

1) " #4

1) " #5

New Mexico, Carlsbad.
W.S. Lee

Brooklyn Bot. Gard. Oct 12, 1923.
Mr. Free (Det.) thru Mr. White.

Mexico
Frie

"

"

"

"

"

12) Mexico, Oaxaca, Tepic.
Rebo # 4813.

Oct 11, 1923

23.262 *Nomammillaria occidentalis* B+R (2)

23.263 *Epiphyllum* (Cult.) (1)

23.264 *Cactus oaxacensis* B+R (1)

23.265 *Hyloteus undatus* B+R (1)

23.266 *Selenicereus* (2)

23.267 *Apheloceros collinsii* B+R (2)

23.268 *Epiphyllum stenopetalum* (2)

23.269 *Acanthocereus pentagonus* (1)

23.270 *Apheloceros* (4)

23.271 *Hyloteus guatemalensis* ? (3)

23.272 *Rhipsalis tucumanensis* (1)

23.273 *Rhipsalis tucumanensis* ? (1)

23.274 *Opuntia pascoensis* B+R ? (1)

23.275 *Opuntia pascoensis* B+R (1)

23.276 *Opuntia* (1)
grown from seed

23.277 *Nomammillaria mammillaris*.

Mexico - Maricao, Col.

Oct 31, 1923.

Peto # 4810.

" - San Antonio

Peto # 4811

Mexico, Morenata (mountain)

Ca Pampas #15

" (H. + A. K.)

" no #.

" (on rocks)

" # 18

" Oaxaca

" # 22

" Morenata (on cliffs, damp forest)

" # 21

" (rare)

" # 17

" (rare)

" # 16

San Salvador (wild plant)

Salvador Calderon # 1920.

Eastern Peru

Bues # 1332 from Herrera of Cusco.

" # 1333

"

" # 1331

"

" # 1330

Illinois, Chicago

Richard Renschell

Peru, Cuzco

H.P. Pittier

Oct 22, 1923.

- | | | |
|--------|--|-----|
| 23.278 | <i>Bryophyllum</i> <i>Kalanchoe</i> | (1) |
| 23.279 | <i>Isorellia lindheimeri</i> | (1) |
| 23.280 | <i>Wilcovia</i> | (1) |
| 23.281 | <i>Opuntia kunzei</i> Rose | (2) |
| 23.282 | <i>Opuntia</i> | (2) |
| 23.283 | <i>Opuntia</i> | (1) |
| 23.284 | <i>Echinocereus fendleri</i> | (1) |
| 23.285 | <i>Echinocereus</i> <i>scopulorum</i> POTT | (2) |
| 23.286 | <i>Neomammillaria</i> | (1) |
| 23.287 | <i>Neomammillaria</i> | (1) |
| 23.288 | <i>Coryphantha erecta</i> | (1) |
| 23.289 | <i>Coryphantha</i> | (1) |
| 23.290 | <i>Coryphantha altamirani</i> Rose | (1) |
| 23.291 | <i>Coryphantha connexa</i> | (1) |
| 23.292 | <i>Coryphantha salisii</i> n. sp. | (1) |
| 23.293 | <i>Coryphantha radians</i> | (1) |

Q3.279 *S. brachia lindheimeri*

344

23.270 Wilcovia

23.281 *Opuntia Kunzei* Rose

23.282 *Opuntia*

23. 273 *Opuntia*

23. 284 *Echinocereus fendleri*

23. 285 *Echinocereus scopulorum* BATT.

23-286 *Neomacmillana*

23. 287 *Neomammillaria*

23. 288 *Corypantha erecta*

23. 279 *Complanata*

23.290 *Corypantha altamiranoi* Rose

23 - 291 *Coryphantha connexa*

21-292 *Coryphantha salina* nys

23-293 *Corypantha radicans*

Colombia El Colegio, Dept of Cundinamarca

Rev^d Aristide Joseph

Texas, Brownell

Robert Rungt

Mexico, Sonora

D.T. MacDougal & F. Shreve.

Pass in hills 10 mi S.W. of Lago Verrugo (Pocomate, unisect)

17 (Char. by poor armature) near San Rafael Rancho

Chas. B. Gifford & Sons

21 Pacu Mts. Pozo Cero

" On Laminaria near Timaja 18 m W of Pige Cane.

11 Limestone hills between Alder & Ogishon

11 (on tag)

Mexico

A.V. Fair.

11

11

400g

10

- 23.294 *Corypantha* (1)
- 23.295 *Corypantha* (1)
- 23.296 *Corypantha* (1)
- 23.297 *Corypantha* (1)
- 23.298 *Corypantha* (1)
- 23.299 *Escobaria* (1)
- 23.300 *Escobaria* (1)
- 23.301 *Thelocactus bicolor* (1)
- ✓ 23.302 *Thelocactus pottsii* (1)
- 23.303 *Thelocactus* (1)
- 23.304 *Thelocactus* (1)
- 23.305 *Neomammillaria* *discolor* (1)
Thelocactus 25/11/21 8/20/29 (1)
- 23.306 *Sfombocactus* (1)
- 23.307 *Neolloydia* (1)
- 23.308 *Neomammillaria eschmayeri* (1)
- 23.309 *Neomammillaria campotricha* (1)

Mexico

A.V. Fric.

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

- 23-310 *Pelecypora* (1)
- 23-311 *Tiliocactus* (1)
- 23-312 *Tiliocactus* (1)
- 23-313 *Tiliocactus* (1)
- 23-314 *Arrocarpus furfuraceus* (1)
- 23-315 *Ancistrocactus megarrhizus* B. & R. (1)
- 23-316 *Obregonia* (1)
- 23-317 *Echinocactus* (1)
- 23-318 *Arrocarpus trigonus* (1)
- 23-319 *Echinomastus maddonellii* (1)
- 23-320 *Echinocactus* (1)
(seed)
- 23-321 *Tillandsia* (1)
- 23-322 *Hymenocallis* (2)
- 23-323 *Agave*
- 23-324 *Yucca*
- 23-325 *Agave* (2)

Mexico

at Enic.

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

Florida, Laguna Road Hwy.
Bartsch

"

"

"

Middle Cape Salado

"

"

"

1924

24.1 *Opuntia arenaria* (1)

24.2 *Echinocereus dasyacanthus* (1)

24.3 *Neomammillaria* (1)

24.4 *Solisia* (1)

24.5 *Escobaria argentia* (1)

24.6 *Lophophora* (1)

24.7 *Neomammillaria denuda* (1)

24.8 *Astrophytum senilis* (1)

24.9 *Escobaria* (1)

24.10 *Epithelantha micromeris* (1)

24.11 *Escobaria* (1)

24.12 *Echinocactus longispinus* (1)

24.13 *Echinocactus unguispinus* (1)

24.14 *Echinomastus* (1)

24.15 *Gymnocladus* (1)
ced

Texas. El Paso (Mexican side)
Claire McElroy Slater

Texas. El Paso
Chas. Hammond

Mexico
A. V. Fric

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

" "

Texas. El Paso
A. V. Fric (see 24.294)

D.C. Smithsonian Garden
Dr. G. M. Rose

Jan. 26, 1924

24-16 *Opuntia aurea*

24-17 *Opuntia aurea*

24-18 *Echinocereus rigidissimus* Rose

24-19 *Neotessera muscivora* Sweet / BoR

24-20 *Neomammillaria meiacantha*

24-21 *Echinocereus rigidissimus* Rose

24-22 *Opuntia penlandii* Salm Dyck

24-23 *Carya laurifolia* Willd
(seed)

24-24 *Echinocereus delacru*

24-25 *Leuchtenburgia princeps*

24-26 *Eurocactus wislizeni*
(seed)

24-27 *Opuntia*
(seed)

24-28 *Opuntia fulgida*
(seed)

24-29 *Neomammillaria meiacantha*

24-30 *Echinomastus nitidus*

24-31 *Echinocereus chloranthus*

Texas, El Paso

T. Hammond

Mexico

New Mexico, Animas Mt. Grant Co.

Susan Patterson

North Dakota, Badlands, Medora

CR Ball 2151

Texas, El Paso

Chas. Hammond

Arizona, Santa Rita Mts.

Calvin B. Bartram

Bolivia, Uyuni

A.C. Hitchcock

Porto Rico

N.L. Britton & E.G. Britton 7256

Mexico (northern), San Pedro

Arthur F. Moeller

"

"

Arizona, Tucson

Calvin B. Bartram

"

"

"

"

Texas, Alpine

Jos. H. Feniss. 401 A

"

401 B

"

401 C

Jan 21

Colt. July 25, 1923

plant Feb 2, 1924

Feb 4, 1924

Feb 11, 1924

Jan 1924

Feb 1924

Feb 18

Feb 28

- 24.32 Echinocactus 1
- 24.33 Neomammillaria denudata 1
- 24.34 Escobaria tuberculata 2
- 24.35 Echinocereus dasyacanthus 3
- 24.36 Samuella foxoniana 1
- 24.37 Chamaefistula macquillata (seed) 1
- 24.38 Echinocereus 1
- 24.39 Echinocereus 2
- 24.40 Coryphantha macromeris 1
- 24.41 Neomammillaria denuda 3
- 24.42 Escobaria tuberculosa 1
- 24.43 Echinocereus dasyacantha 3
- 24.44 Echinocereus dasyacantha 2
- 24.45 Opuntia leptocaulis DC 1
- 24.46 Opuntia grahamii 1
- 24.47 Opuntia 1

Texas, Alpine
 Yash Ferriss 401 d.
 Texas, Sierra Blanca
 Vernon Bailey
 " "
 " "
 " "
 " "
 Guianan, Gleason.
 Texas, Alpine
 James H. Ferriss 402 a
 " 402 B
 " 402 C.
 " 402 d.
 " 402 e.
 " 402 F.
 " 402 g.
 " 402 H

March 8, 1944
 March 13

24-48 *Homalocephalus texensis*

1

Texas, Big Bend

J. H. Fennell 403.

24-49 *Homalocephalus pottsi*

2

"

" 403 A

24-50 *Coryphantha macromeris*

1

"

" 403 C

24-51 *Oriocarpus furfuraceus*

2

"

" 403 B

24-52 *Echinocereus dasyacanthus*

1

"

"

24-53 *Echinocereus ferox* B. & P.

3

"

Small hills on flat plain 10 miles N. of Terlingua

24-54 *Escobaria*

1

"

24-55 *Hetchia texensis* Watson

1

"

" 403 E.

24-56 *Foucaea uncinata* B. & P.

1

"

"

24-57 *Selaginella*

7

"

" 403 D

24-58 *Echinocereus*

3

Texas

J. H. Fennell

24-59 *Echinocereus viridiflorus*

4

"

"

24-60 *Opuntia*

1

"

"

24-61 *Opuntia*

1

"

"

24-62 *Coryphantha mixta*

2

St. Thomas, Louisiana

Fennell

24-63 *Agave rigida - variegata*

"

"

- 2464 (1)
- 24-65 Escobaria (Yem) (2)
- 24-66 Epithelantha micromeris (3)
- 24-67 Monanthesella denudata (2)
- 24-68 Escobaria tuberculata (1)
- 24-69 Echinocereus dasyacanthus (4)
- 24-70 Conypantha mexicana Engel B. & R. (1)
- 24-71 Conypantha macromeris (3)
- 24-72 Echinocereus dasyacanthus (6)
- 24-73 Echinocereus Lloydii (12)
- 24-74 Conypantha echinatus (Engelm) B. & R. (1)
- 24-75 Conypantha pectinata B. & R. (1)
- 24-76 Dudleya collomae (1)
- 24-77 Guernia bradtiana (Coul.) B. & R. (1)
- 24-78 Echinocereus (1)
- 24-79 Monanthesella moelleriana
Same as 25-145

Texas.

Y. A. Fenice

- " 406
- " 407 a
- " with 407 a
- " 407 b.
- " 407 d.
- " 407 F.
- " with 407 F.
- " 407 g.
- " 407 H
- " 406 C
- " with 406 C.

Arizona, Payson

Mrs. W. B. Collom.

Mexico, S. Pedro

March 14.

A. F. Moeller #1

" Durango

#2

" (Durango²)

#3

- 24-80 *Echinofossulocactus multicastratus* (1)
- 24-81 *Thelocactus* *diversus* (1)
- 24-82 *Echinocactus horizontalis* (1)
- 24-83 *Neomammillaria candida* (1)
- 24-84 *Neomammillaria lutea* (1)
- 24-85 *Ariocarpus kotschubeyanus* (1)
- 24-86 *Leuchtenbergia* (1)
- 24-87 *Epithelantha micromeris* (1)
- 24-88 *Echinocactus palmeri* (1)
(seed)
- 24-89 *Ariocarpus lloydii* (1)
(seed)
- 24-90 *Harrisia pigrans* or *simpsonii* (1)
(seed)
- 24-91 *Aphelococcus nobilis* (1)
- 24-92 *Echinocereus* (1)
- 24-93 *Echinocereus* (1)
- 24-94 *Echinocereus* (1)
- 24-95 *Mammillopsis* (1)

Mexico, Durango
A.F. Mueller # 4

" " # 5

" " # 6

" Coahuila # 7

" " # 8

" El Paso # 9

" " B

" " a

" (northern) -

" " -

Florida, Sarasota Key
F.V. Coville # 24

Porto Rico, San Juan
O.W. Barrett

Mexico, Durango
J.G. Ortega # 1

" " # 2

" " # 3

" " # 4

Mar 18

| | | |
|---|------|-------------------------------|
| 24.96 <i>Ferocactus</i> | (1) | Mexico, Durango, |
| 24.97 <i>Agave</i> | (1) | J. J. Ortega # 5. |
| 24.98 <i>Thelocactus bicolor</i> | (1) | " # 6 |
| 24.99 <i>Neomammillaria</i> | (1) | Texas, J. H. Ferriss # 409 a. |
| 24.100 <i>Escobaria</i> | (1) | " # 409 |
| 24.101 <i>Ferocactus imbricatus</i> B+R | (1) | " # 409 c |
| 24.102 <i>Escobaria</i> | (1) | " - |
| 24.103 <i>Epithelantha</i> | (2) | " # 408 B |
| 24.104 <i>Escobaria</i> | (3) | " - |
| 24.105 <i>Neomammillaria denudata</i> | (3) | " - |
| 24.106 <i>Neolloydia texensis</i> | (15) | " # 410 a |
| 24.107 <i>Escobaria</i> | (3) | " # 410 |
| 24.108 <i>Escobaria</i> | (1) | " # a |
| 24.109 <i>Escobaria</i> | (1) | " # B |
| 24.110 <i>Escobaria</i> | (1) | " # c |
| 24.111 <i>Coryphantha</i> | (2) | " 411 |

24.112 Echinocereus (1)

24.113 Conypantha pectinata (1)

24.114 Conypantha echinus (5)

24.115 Neoteseya missouriensis (2)

24.116 Monanthe villosa (1)

24.117 Conypantha (2)

24.118 Conypantha (1)

24.119 Conypantha (1)

24.120 Conypantha (4)

24.121 Opuntia (3)

24.122 Opuntia (1)

24.123 Opuntia (2)

24.124 Echinocactus horizontalis (1)

24.125 Echinocereus reichenbachii (1)

24.126 Opuntia (1)

24.127 Opuntia (1)

Texas

J. H. Ferris # 414 B.

North Dakota, Jamestown

Arizona Glen Berner

Arctt 1924: 203

" 1924: 204

" 1924: 205

" 1924: 206

" 1924: 207

Texas

J. H. Ferris # 416

" # 417

" # 417 a

" # 417 b

" # 417 c

" # 418

" # 419

24.128 *Opuntia* (1)

24.129 *Neomammillaria* (1)

24.130 *Homalocephalus texensis* (2)

24.131 *Pellaea flexuosa* (1)

24.132 *Cheilanthes horridula* (1)

24.133 *Notholoma schaffneri* (1)

24.134 *Dudleya* (1)

24.135 *Dudleya* (1)

24.136 *Dudleya* (1)

24.137 *Opuntia triacantha* (2)

24.138 *Cephalocereus royeri* (2)

24.139 *Opuntia dillenii* (1)

24.140 *Cephalocereus royeri* (1)

24.141 *Nopalaea cochenillifera* (1)

24.142 *Selenicereus spinulosus* (2)

24.143 *Euphorbia antiquarum* L. (2)

Texas

J. H. Fennis # 419a

419b

419c

Arizona, Payson

Mrs. W. B. Callan

California, Fresh Canyon, San Gabriel Mts.

A. Davidson # 3578

Ventura Co.

3590

St. Kitts

Mar 30

G. Miller

Antigua, Mchle

Mexico, Monterrey

J. B. Mac Millan

St Thomas

Fairchild

- 24-144 *Selenicereus grandiflorus* (1)
- 24-145 *Opuntia repens* (1)
- 24-146 *Escobaria tuberculata* (1)
- 24-147 *Echinocactus horizontalis* (1)
- 24-148 *Escobaria tuberculata* (1)
- 24-149 *Echinocereus dasyacanthus* (1)
- 24-150 *Ferocactus emarginatus* (1)
- 24-151 *Coryphantha nemoralis* (1)
- 24-152 *Neomammillaria hyda* (1)
- 24-153 *Ferocactus hamatacanthus* (2)
- 24-154 *Ariocarpus furfuraceus* (3)
- 24-155 *Echinocereus* (2)
- 24-156 *Coryphantha echinus* (4)
- 24-157 *Mammillaria pusilla trana* (3)
- 24-158 *Echinocereus dasyacanthus* (1)
- 24-159 *Opuntia greggii* (1)

Bermuda

J. Miller

St Thomas

New Mexico, Carlsbad Caves
D.W. Lee. #6

"

" #7

" #8

" #9

" #10

" #11

Texas

James H. Ferriss 425

"

"

"

"

"

"

"

"

"

"

"

"

"

421

420

422

- 24.160 *Perocactus imbricatus* (1)
- 24.161 *Echinocereus* (1)
- 24.162 *Homalocylpha texensis* (1)
- 24.163 *Escobaria* (1)
- 24.164 *Coryphantha* (1)
- 24.165 *Coryphantha neomexicana* (1)
- 24.166 *Neomammillaria denuda* (1)
- 24.167 *Echinomastus intertextus* (1)
- 24.168 *Opuntia kunzei* (2)
- 24.169 *Cereus validus* (1)
- 24.170 *Selenicereus spinulosus* (1) (red)
- 24.171 *Echinocereus* (1)
- 24.172 *Ancistrocactus brevichomatus* (4)
- 24.173 *Coryphantha echinus* (3)
- 24.174 *Ariocarpus purpusceus* (3)
- 24.175 *Neomammillaria glomerata* (1)

- Texas
- Y.H. Fernald -
- " 423
- "
- New Mexico
- Orcutt
- Texas, El Paso
- "
- "
- "
- "
- "
- Arizona, Tucson
- F. Shreve
- France, Nice
- A. Robertson - Proschowsky & C. Thomas usage. S.P. 1. 5894
- Mexico
- Lloyd ("Medicine Cactus")
- Texas, High Bridge, Pecos River
- Y.H. Fernald 426 D
- " 426 + 426 C
- " 426 A
- "
- "
- "

- 24.176 *Escobaria* (1)
- 24.177 *Sedum* (1)
- 24.178 *Euphorbia antisiphilitica* Zucc (1)
- 24.179 *Dudleya callomae* n. sp. (1)
- 24.180 *Opuntia santa-rita* (3)
- 24.181 *Opuntia biglora* (1)
- 24.182 *Neomammillaria macdougalii* (1)
- 24.183 *Perocactus latipinnus* (Haw) B+R (1)
- 24.184 *Thelocactus nudulans* B+R (1)
- 24.185 *Ariocarpus retusus* (1)
- 24.186 *Echinocactus durangensis* B+R (1)
- 24.187 *Neomammillaria* (1)
- 24.188 *Neomammillaria compressa* (1)
- 24.189 *Echinocactus palmeri* Rose? (1)
- 24.190 *Echinocactus palmeri* Rose? (1)
- 24.191 *Neomammillaria chinoccephala* (Purpus) B+R (1)

Texas: High Bridge, Boco River
 J. H. Ferriss

Arizona, Payson
 Rose C. Collom
 Tucson
 Faust Shreve

Apr 21

Apr 28

Mexico, San Pedro, Coch.
 Arturo F. Mueller #1

Apr 27

2

3

4

5

6

7

8

9

24.192 *Pachycereus marginatus*

24.193 *Cereus*

24.194 *Echinocereus*

24.195 *Myrtillocactus*

24.196 *Thelocactus forficulatus* B. & R.

24.197 *Echinocereus*

24.198 *Coryphantha*

24.199 *Echinocereus*

24.200 *Echinocereus*

24.201 *Echinofossulocactus*

24.202 *Echinofossulocactus*

24.203 *Echinocereus*

24.204 *Coryphantha*

24.205 *Coryphantha*

24.206 *Hamatocactus setispinus*

24.207 *Echinocereus*

(1)

(1)

(1)

(1)

(2)

(1)

(1)

(3)

(1)

(1)

(2)

(4)

(1)

(1)

(1)

(1)

Mexico, San Pedro, Coah.

Arturo F. Moeller # 10

11

12

13

14

15

16

17

18

19

20

21

22

23

Texas, Bank of Neches near Laguna

J. H. Ferris 431

" 431 B.

24.208 *Coryphantha sulcata*

24.209 *Echinocereus viridiflorus*

24.210 *Mormannuillaria denudata*

24.211 *Opuntia engelmannii*

24.212 *Cylindropuntia bella*

24.213 *Hamatocactus setispinus*

24.214 *Opuntia opuntia*

24.215 *Heeria elegans*

24.216 *Chamaecrista fensholtii*

24.217 *Coryphantha deserti*

24.218 *Hylotelephium undatum*

24.219 *Echinocereus roetteri*

24.220 *Coryphantha scheeri*

24.221 *Echinocereus viridiflorus*

24.222 *Echinocereus chloranthus*

24.223 *Cereus gualanensis*

Texas, Banks of Nueces near Laguna.

J. H. Ferriss # 431C

Texas, 14 mi. n. of El Paso.

(Chas. Hammond) Orcutt 1924: 276

Orcutt 1924: 272

1924: 275

Del Rio

J. H. Ferriss 426

427

Maryland, Leonardtown

A. C. Brooks

Mexico in 1899

J. H. Rose (Callings for N.Y.S.G.)

Texas, Box Canyon below Sierra Blanca on mountain

Loran Pattison.

California, Cottonwood Springs

B. W. Ehrenman

Mexico, Xicotencatl

May 8, 1947

J. H. Lloyd

Texas, El Paso

Orcutt

Hammond

Grenada

J. Miller #1

- 24.224 *Cereus hexagonus* ✓ (1)
- 24.225 *Aphelocereus* ✓ (1)
- 24.226 *Aphelocereus* ✓ (1) Seed (1)
- 24.227 *Acanthocereus* (1)
- 24.228 *Selenicereus* (1)
- 24.229 *Hylocereus* (1)
- 24.230 *Opuntia dillenii* (1)
- 24.231 *Opuntia* (1)
- 24.232 *Nopaloxylon* (1)
- 24.233 *Hylocereus* (1)
- 24.234 *Opuntia dillenii* (1)
- 24.235 *Nopaloxylon cochimilifera* (1)
- 24.236 *Aphelocereus barbadensis* (1)
- 24.237 *Cactus* (1)
- 24.238 *Echinocactus denudatus arizonicus* (1)
- 24.239 *Echinocactus denudatus arizonicus* (1)

Grenada

#2

#3

#4

#5

#6

#7

#8

#10

#8

Barbados

Feb. 24/1924

Feb. 24/1924

St. Kitts near Rose Town

Germany, Köln

Fr. Bödeker

24.240 *Mammillaria dyckiana* (1)

24.241 *Mammillaria calochlora* (1)

24.242 *Mammillaria lissanieri* (1)

24.243 *Mammillaria praedii* (1)

24.244 *Mammillaria fulvoblanca* (1)

24.245 *Mammillaria caput-medusae* (1)

24.246 *Mammillaria futilis* (1)

24.247 *Mammillaria rechartiana* (Seed) (1)

24.248 *Ferocactus laticarpus* (1)

24.249 *Echinoporeulocactus* (1)

24.250 *Thelocactus* (1)

24.251 *Thelocactus lophothelae* (1)

24.252 *Neolloydia* (1)

24.253 *Thelocactus* (1)

24.254 *Ancistrocactus sheeri* (1)

24.255 *Normammillaria chniocephala* (1)

Germany Köln
Böden

Mexico, San Pedro, Coah. May 21

Alturo F. Moeller #1

#2

#3

#4

#5

#6

#7

#8

24-256 *Neomammillaria chirocephala*

(1)

Mexico, San Pedro, Coah.

May 21

Alturo F. Muller # 9

24-257 *Thelocactus heterocornus*

(1)

10

24-258 *Coryphantha radicans*

(1)

11

24-259 *Quiocactus Roseocactus Lloydii*

(1)

24-260 *Echinomastus angustepinus*

(1)

24-261 *Coryphantha nemoralis*

(2)

Texas, El Paso

May 30

Charles Hammond

24-262 *Neomammillaria denudata*

(2)

24-263 *Opuntia*

(1)

Utah, Pinedale

May 9

J. Hopkins

24-264 *Scleroactus whipplei* (Engelm & Bgd) B. & R.

(1)

24-265 *Echinocereus*

(2)

24-266 *Zygocactus truncatus coccineus*

(1)

New York, Highland Park Conservatory, Rochester

Wm. L. G. E. & Son

24-267 *Echeveria runyonii* n. sp.

(2)

Texas, Brownsville

Robert Runyon

24-268 *Opuntia*

(2)

Mexico, La Cruz

May 16/1914

J. G. Ortega # 5228

24-269 *Opuntia*

(1)

5229

24-270 *Opuntia*

(1)

5230

24-271 *Opuntia*

(1)

5231

- | | | | | |
|--------|-------------------------------------|-----|--|----------|
| 24.272 | <i>Rathbunia</i> | (1) | Mexico; La Cruz. | May 24. |
| 24.273 | <i>Rathbunia</i> | (2) | J. G. Ortega # 5232 | |
| 24.274 | <i>Acanthocereus occidentalis</i> | (1) | # 5233 | |
| 24.275 | <i>Opuntia elaeagnifolia</i> | (1) | # 5234 | |
| 24.276 | <i>Pereskopsis</i> | (1) | # 5235 | |
| 24.277 | <i>Mammillaria mayatlensis</i> | (1) | # 5236 | |
| 24.278 | <i>Mammillaria mayatlensis</i> | (1) | # 5237 | |
| 24.279 | <i>Echinocactus</i> | (1) | Siamoni | |
| 24.280 | <i>Napaea</i> | (2) | La Cruz | |
| 24.281 | <i>Pereskopsis</i> | (1) | # 5238 | |
| 24.282 | <i>Neomammillaria</i> | (1) | # 5239 | |
| 24.283 | <i>Conyopanta</i> | (1) | New Mexico, Carlsbad. | |
| 24.284 | <i>Neomammillaria missouriensis</i> | (1) | W. T. Lee | |
| 24.285 | <i>Agave</i> | (2) | California, Chuchawalla, Chocolate mts | June 2. |
| 24.286 | <i>Sclerocactus whipplei</i> | (1) | E. C. Root. | |
| 24.287 | <i>Conyopanta</i> | (1) | St. Thomas. | June 11. |
| | | | A. S. Fairchild | |
| | | | Utah, Price | |
| | | | Joseph D. Hopkins | June 11 |
| | | | Arizona, Tucson | |
| | | | J. J. Thurber | |

| | | | | | |
|--------|--|-----|-------------------------|--|--------------|
| 24.288 | <i>Selenicereus</i> | (1) | Florida | Lloyd Brothers Y.U. + Y.T. Cincinnati Ohio | June 16, |
| 24.289 | <i>Epithelantha micromeris</i> | (1) | Mexico, Monterey | A.F. Moeller # 25 | June 17 |
| 24.290 | <i>Neomammillaria</i> | (1) | Mexico, San Luis Potosi | " # 26 | |
| 24.291 | <i>Coryphantha cornigera</i> | (1) | " Zacatecas | " # 24 | |
| 24.292 | <i>Ariocarpus lotochouleyanus</i> (Seed) | (1) | " | " | |
| 24.293 | <i>Marsdenia edulis</i> S. Wats. (Seed) | (1) | Mexico | MacDougal | |
| 24.294 | <i>Selenicereus spinulosus</i> | (1) | Mexico, Xicotencatl | % Lloyd Brothers | June 17. |
| 24.295 | <i>Sedum ternatum</i> | (1) | Kentucky | R. Runyon | June 1924 |
| 24.296 | <i>Fernocactus johnsonii</i> B. & R. | (1) | Arizona | Kniggen | |
| 24.297 | <i>Opuntia serotina</i> Engelm. | (1) | " | MacDougal | |
| 24.298 | <i>Neomammillaria mitchii</i> | (1) | Arizona, Sacaton | A.R. Leding | |
| 24.299 | <i>Fernocactus bicolor</i> | (1) | " | " | |
| 24.300 | <i>Hylocereus undatus</i> | | - (data lost) | | 1924 |
| 24.301 | <i>Selenicereus spinulosus</i> | 3 | Mexico, Monterey | Green House Dept. Agri. | |
| 24.302 | <i>Opuntia pascoensis</i> B. & R. | 1 | Peru, Cuzco | Y.B. Macmillan | |
| 24.303 | <i>Cereus</i> (yellow spine) | 1 | " | Fortunato L. Herrera # 1 | May 19, 1924 |
| | | | " | " # 2 | |

- 24.304 *Cereus* (2)
Red spine
- 24.305 *Erdesia squarrosa* B+R. (1)
Red spine
- 24.306 *Erdesia squarrosa* B+R. (1)
(very spiny)
- 24.307 *Opuntia* (1)
(narrow)
- 24.308 *Opuntia* (1)
(broad)
- 24.309 *Opuntia floccosa* (1)
- 24.310 *Trichocereus caryocarpus* (2)
- 24.311 *Lobelia corbula* (Peruvia) B+R. (2)
- 24.312 *Opuntia* (1)
- 24.313 (Scotch Broom) (1)
- 24.314 *Opuntia* (1)
- 24.315 *Neomammillaria denudata* (1)
- 24.316 *Opuntia grahamii* (1)
- 24.317 *Echinocereus dasycaanthus* (2)
- 24.318 *Cereus* (1)
- 24.319 *Echinomastus nitidus* (1)

- Peru, Cuzco May 19
Fortunato F. L. Herrera # 23
- " # 3
- " # 3
- " # 4
- " # 5-6
- " # 7
- Virginia, Lynchburg June 27.
Percy R. Moore
- "
- N. Jersey, Millville, Cumberland Co.
A. J. Poole
- Texas
Arcutt # 24.493
- " Sierra Blanca
- " 24.497
- " 24.502
- " Shepta
- "
- 24.504

24.320 *Opuntia vulgaris* (cult)

24.321 *Opuntia*
Cylindropuntia like flowers Rare.

24.322 *Coryphantha*

24.323 *Selenicereus spinulosus*

24.324 *Selenicereus spinulosus*

24.325 *Coryphantha elephantidens* (seed)

24.326 *Coryphantha ureta* (seed)

24.327 *Mammillaria barwinskiana* (seed)

24.328 *Ferocactus nobilis* (seed)

24.329 *Ferocactus covillei* (seed)

24.330 *Ferocactus flavovirens* (seed)

24.331 *Coryphantha cornifera* (seed)

24.332 *Mammillaria elongata* (seed)

24.333 *Coryphantha echinops* (seed)

24.334 *Echinocactus latispinus* (seed)

24.335 *Mammillaria uncinata* (seed)

11/ N.Y. L.G. Edson, Highland Park, Reservoir Ave. Rochester, N.Y. June 25.

11/ Texas. Marfa

Orcutt. 1924: 496.

11/ " Sanderson

" 1924: 636.

11/ Mexico, Monterey

Lloyd Bros. #1

11/ "

11/ Mexico

Podas Ejecutivos Federal of Chapultepec.

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

11/ " " " "

- 24-336 *Coryphantha daimonoceras* (seed) 112
- 24-337 *Echinocactus latuspinus flavispinus* (seed) 111
- 24-338 *Echinocactus grandis* (seed) 112
- 24-339 *Mammillaria centricrinata* (seed) 113
- 24-340 *Fierocactus macrodiscus* (seed) 114
- 24-341 *Coryphantha retusa* (seed) 115
- 24-342 *Zamia* 116
- 24-343 *Opuntia* 117
- 24-344 *Opuntia* 118
- 24-345 *Opuntia* 119
- 24-346 *Opuntia* 120
- 24-347 *Opuntia* 121
- 24-348 *Coryphantha macromeris* 122
- 24-349 *Echinocereus paucispinus* 123
- 24-350 *Psotaria* 124
- 24-351 *Echinocereus* 125

Mexico

Poder Ejecutivo Federal Jard. Bot. of Chapultepec.

Azores

Corn intercepted at Providence R.I. by C.A. Davis June 30, 1924
Texas, Dryden (Fed. Nat. Res.)

Orcutt 1924: 781

1924: 782

1924: 783

1924: 780

1924: 786

1924: 776

Texas Sanderson

1924: 645

Texas

1924: 640

1924: 638

- 24-352 *Echeveria goldmani*
- 24-353 *Pachyphytum amethystinum*
- 24-354 *Gormania watsoni*
- 24-355 *Echinocereus dasyacanthus*
- 24-356 *Echinocereus dasyacanthus*
- 24-357 *Coryphantha muelenpfordii*
- 24-358 *Echeveria nodulosa* (Seed)
- 24-359 *Coryphantha echinini*
- 24-360 *Opuntia leucotricha*
- 24-361 *Selenicereus*
- 24-362 *Mammillaria verhaertiana* Rod
- 24-363 *Ferocactus acanthodes*
Seed.
- 24-364 *Ferocactus acanthodes*
Seed
- 24-365 *Opuntia "westringioides"*
- 24-366 *Cassia*
(Seed)
- 24-367 *Echinocereus*

- NY Bot Gard. # 20678
Mr Becker
- # 2-5-956
- California Oregon July 16
Carl Purdy % N. L. Britton NY Bot.
- New Mexico, Carlsbad
Jayer.
- Texas, 20 mi. NW. of Van Horn
Susan Patterson
- Texas El Paso
Patterson Floral Co.
- Scotland, Edinburgh.
Royal Bot Garden, % Foreign S. & P. introd. July 18.
- Texas, Langtry
Orcutt 1924: 717.
- NY Rochester Department of Parks (Cult.) July 21.
Wm L. G. Edson O-1379
- Cuba, El Cobre 1912
NY Bot 35-226 Britton & Connel 12879.
- Germany, Coln on Rhine
Boediker.
- California, Owens Valley July 24
J. H. Ferriss.
- " "
- " "
- Virginia, Limestone ledges at Overall. Aug 27
Edgar T. Wherry
- Panama.
C. R. Piper
- Mexico, Monterrey. Aug 31
C. R. Orcutt 1924: 989.

24.368 *Harrisia* (cult.) //

24.369 *Selenicereus spinulosus* (cult.) //

24.370 *Acanthocereus* //

24.371 *Harrisia* (cult.) //

24.372 *Escobaria bella* //

24.373 *Sedum nightii* //

24.374 *Escobaria* //

24.375 *Normanmülleria denudata* //

24.376 *Echinomastus intertextus* //

24.377 *Normanmülleria* //

24.378 *Opuntia* //

24.379 *Altamiranoa elongata*

24.380 *Urbinia purpurii*

24.381 *Hymenocallis amancaes*

24.382 *Rhipsalis sarmentacea*

24.383 *Rhipsalis madagascariensis*

Texas, Laredo Aug 31
C.R. Orcutt 1924:1018

Mexico, Monterrey
" 1924:1012

Texas, Laredo
" 1924:1020

" 1924:1004

" , Devil's River

" —

" —

" —

" —

" —

Texas, Oro Grande, 52 mi n. of El Paso. Aug 29

Chas. Hammond

"

"

California, Alhambra. Aug 30

E.C. Rost

Arizona, Painted Desert Aug 2

W.D. Clute

Scotland, Bot. Gard. Edinburgh Mar 11

Wm C. Smith 49416

"

" 49417

"

" 49418

"

" 49420

"

" 49419

24.384 *Olivieranthus elegans*

24.385 *Echeveria crata*

24.386 *Mammillaria multiceps*

24.387 *Rhipsalis mesembryanthoides*

24.388 *Cotyledon amonea*

24.389 *Agave maculata*

24.390 *Mammillaria pusilla*

24.391 *Epiphyllum* (Seed)

24.392 *Cereus trigonodendron* Schum.

24.393 *Aloe*

24.394 *Cereus nickelsi* = *Aphelandra polycephala* (Seed)

24.395 *Selenicereus grandiflorus*

24.396 *Escobaria*

24.397 *Opuntia*

24.398 *Opuntia echinocarpa*

24.399 *Opuntia lindheimeri*

Scotland

Bot Gard. Edinburgh.

Wm C Smith 49421

"

" 29422

"

" 29423

"

" 29424

"

" 29425

"

" 49414

"

" 49409

Panama, via Mr. Powell's Garden

Standley 28596

Bolivia, Cachueta Esperanza

M. Meyer.

Africa (East)

Shantz SPI 60449

Texas, Laredo

Aug.

C. Barrett

Jamaica

Aug 11.

% Parks, Davis & Co. O.A. Farwell Detroit Mich.

Texas, Laredo

Orcutt 1924:1040

New Mexico, Carlisle

Rodd

California

Texas

24.400 *Lamprocerus montanus* B&R.

24.401 *Lamprocerus thuyeri*

24.402 *Opuntia atacamensis*

24.403 *Opuntia*

24.404 *Pereskopsis*

24.405 *Opuntia*

24.406 *Opuntia*

24.407 *Ferocactus*

24.408 *Neomammillaria*

24.409 *Neomammillaria*

24.410 *Rothbunia*

24.411 *Rothbunia*

24.412

24.413 *Ferocactus*

Seed.

24.414 *Acanthocereus horridus* B&R.

24.415 *Chamaecrista pukeula*

Mexico

J. J. Arledge 5242

" " 5243

" " 5244

" " 5245

" " 5246

" " 5247

" " 5248

" " 5249

" " 5250

" " 5251

" " 5252

" " 5253

" " 5253

Arizona

H. H. Fennis, foliat det.

Ny. Rochester

L. G. Edson Dept. Parks

Texas

R. Runyon 657

Aug 12.

Aug 10.

Aug 19.

Aug 16.

24.416

24.417 ^{C. and} Poinsettia pulcherrima L.

24.418 Cassipouia mexicana

24.419 Guilandina gillesii

24.420

24.421 Opuntia

24.422 Opuntia cuneata

24.423 Chastocactus anguinus

24.424

24.425

24.426 Opuntia

24.427 Monvillea (M. cavendishii Norville)

24.428

Cassipouia

24.429 Opuntia pottsii SD.
(died) see herb.

24.430

"

Cassia

Brick 2827

665-

656

Cuba

León

July

Germany Berlin Bot. Gard.

" Range #1 House #7

New Mexico, Bland

Ernest Knoebel

Aug 18

Texas

Orcutt 1924-1041.

New York, Rochester, Lambertson Conserv, Highland Park. Aug 23
CR. Mc Grath.

A. Saurdson, Los Angeles

9/9/24

Carlsbad, N. M.

W. Y. Lee

"

El Paso, Tex

Chas. Hammond

"

24.416

24.417 ^{C. and} *Poinsettia pulcherrima* L.

24.418 *Cassipouira mexicana*

24.419 *Guilandina gillesii*

24.420

24.421 *Opuntia*

24.422 *Opuntia cuneata*

24.423 *Cleistocactus anguinus*

24.424

24.425

24.426 *Opuntia*

24.427 *Mouillea* (*M. cavendishii* Donnell)

24.428

Cassipouira

24.429 *Opuntia* *potlissi* S.D.
(dud) see herb.

24.430

"

Texas

R. Runyon 656

5/6
655-

665-

656

Cuba

Sam

July

Germany Berlin Bot. Gard.

Range #1 House #7

New Mexico, Bland

Ernest Knoeb

Aug 18

Texas

Orcutt 1924: 1041.

New York, Rochester, Lumberman Conser, Highland Pk. Aug 23

C.R. McGrath.

A. Davidson, Los Angeles

9/9/24

Carlsbad, N.M.

W. Y. Lee

"

El Paso, Tex

Chas. Hammond

"

24.431 *Echinocactus*

24.432 *Opuntia*

24.433 "

24.434 *Neomammillaria condita*

24.435 " *not?*

24.436 *Opuntia dulcis*

24.436^a *Echinocereus montereyensis*

24.437 *Echinocereus*

24.438 *Neomammillaria ruyonii*

24.439 *Echinocereus alliflorus*

24.440 *Coryphantha nickelsae*

24.441 *Echinocereus conglomeratus*

24.442 *Echinocereus sarcocophorus*

24.443 *Aristida schaeferi*

24.444 *Neolloydia conoidea*

24.445 *Agave foveoides* fide Britton

J. D. Hopkins, Price, Utah 9/9/24

#1

A. P. Dodd, Uvalde, Tex. (Box 509) "

#2

" " " " " "
Slit of San Luis Potosi Mexico

Carlston Mm Lee "

Mexico Sept. 19.

Oreuth. #1088

1107

1091

1094

1102

1105

1106

1104

1101

1096

24 446 *Selenicereus*

24.447 *Agave fomeroides* (Monterey H.L. Cult.)

24448 *Echinocactus longihamatus* Var. A.

24.449 *Echinocereus sarisophorus* (var. probably)

24.450 *Neomammillaria glomerata*

24451 *Mammillaria heyderi*

24.452 *Coryphantha elephantidens*

24453 *Epithelantha guggii*

24.454 *Pereskia*

24.455 *Pasiphora edulis* Sims

24.456 " *serratifolia* L.

24.457 " *pumilio* ?

24.458 *Selenicereus grandiflorus*

24.459 *Epiphyllum angulipes*

24.460 *Epiphyllum hybridus wrayii*

24.461 *Lemaireocereus dumortieri*

Mexico

Orient # 1117

1112

1110

1113

1090

1119

1103

1118

Agaves (cult.)

Mexico

Capulapula

Aug. 1924

1

Yaracuy

Sept 1924

NY Rochester, Highland Park (Tropical America)

Sept. 22

W. L. G. Edson

"

"

"

"

24.462 *Echinocereus fendleri*

24.463 *Epithelantha*

24.464 *Escobaria*

24.465 *Opuntia polycarpa*

24.466 *Opuntia polycarpa*

24.467 *Opuntia polycarpa*?

24.468 *Opuntia fragilis*

24.469 *Coryphantha vivipara*

24.470 *Opuntia dillenii*

24.471 *Nopalcea cochiniifera*

24.472 *Selenicereus spinulosus*?

24.473 *Myctocereus serpentinus*

24.474 *Leuophyllum* (*guttatum*) Rose
centifolium

24.475 *Sedum palmeri*?

24.476 *Echeveria simulans*

24.477 *Sedum diffusum* Wats.

New Mexico, Carlsbad
P. C. Standley

Montana, Baker

Glenn Berner #1
121 E. Front St. Jamestown N.D. Sept.

N. Dakota, Mandan

" #2
Montana, Livingston

Mott; N. Dakota

" #3
N. Dakota, Minot

Grenada W.I.

Mexico.

Orcutt 1164

" 1160

" 1163

" 1162

" 1114

" 1161

- 24.478 *Neomammillaria glomerata*
- 24.479 *Sedum leuophylloides* Rose.
- 24.480 *Opuntia schottii*
- 24.481 *Selenicereus spinulosus*
- 24.482 *Ancistrocactus scheeri*
- 24.483 *Coussipartha*
- 24.484 *Echinocereus parryi*
- 24.485 *Harrisia martinii*
(Fruit)
- 24.486 *Opuntia fulgida* Engelm.
(Fruit)
- 24.487 *Neomammillaria fasciculata* (Engelm.) B+M.
- 24.488 *Acanthocereus occidentalis* B+R.
- 24.489 *Selenicereus vagans* (Blandford) B+R.
- 24.490
- 24.491 *Epithelantha greggii*
- 24.492 *Tradescantia*
- 24.493 *Tradescantia*

Mexico

Orcutt 1121

Sierra Madre, Monterey

1163

1111

1117

near Monterey

1104

1103

Paredon, Coah.

California, 212 E. 24th St Los Angeles
R.M. Wagener.

Mexico

J.G. Ortega # 5245

5254

5531

5552

5548

Paredon Coah.

Orcutt 1924: 1298.

Texas, Brownsville

Robert Runyon #676

677

24-494 *Echinocereus chloranthus*

24-495 *Escobaria tuberculata* ?

24-496 *Coryphantha echinus*

24-497 *Echinocereus enneacanthus*

24-498 *Coryphantha macromeris*

24-499 *Coryphantha vivipara*

24-500 *Mammillaria mazatlanensis*

24-501 *Coryphantha arizonica* 2

24-502 *Coryphantha arizonica* 2

24-503 *Anacampteros densifolia*

24-504 *Mammillaria droegiana*

24-505 *Mammillaria mundtii*

24-506 *Opuntia*

24-507 *Harrisia martinii*

24-508 *Harrisia*

24-509 *Harrisia*

Texas, El Paso

Chas. Hammond.

" 20 mi n. of Alpine

" " # 2

" Betw. Ft Stockton + Alpine

" " # 3

" 22 mi s.w. of Sierra Blanca

" " # 4

" 23 mi s.w. of Sierra Blanca

" " # 5

North Dakota, near Ft. Totten
Gleason Berner

Germany, Köln
Bödeker.

Arizona, Grand Point, Grand Canyon, Nat. Park, Aug 23
Ed Goldman

" Dry Lake, Kaibab Nat. Forest, Aug 20
"

Germany, Berlin
W. Mundt.

" (Mexico)

" (Mexico)

Mexico, n.y.

Orcutt 3769

California, Los Angeles, (Cult.)

H.M. Wagner

- 24.510 *Hylocereus*
- 24.511 *Aphelocereus*
- 24.512 *Passiflora* ^{seed} _{map}
- 24.513 "
- 24.514 *Graptopetalum bartramii* 4
- 24.515 *Echinocactus parryi* 3
- 24.516 *Echeveria* *Echeveria* [Orzja de luna (mex)]
- 24.517 *Escobaria aff. bella*
- 24.518 *Coryphantha* *difficile*
- 24.519 *Echinocereus*
- 24.520 *Echinocereus*
- 24.521 *Echinofossalocactus*
- 24.522 *Selenicereus spinitarsus*
- 24.523 *Phyllocactus*
- 24.524 *Mammillaria semperviv.*
- 24.525 *Echinofossalocactus tricuspidatus*

Barbados B.W.I. Bridgetown Box 144
I.H. Robinson

"
Panama: Between Franca Field &
Catalina Standley 30158 1/9/24
Costa Rica:

Standley 34146 2/12/24
Arizona Shaded ledges in Texas canyon, Patagonia Mts Santa Cruz Mts
Edwin R. Bartram Nov 21

Texas, El Paso.
Charles Hammond Nov 29

Mexico
Orcutt 1924: 1484

"
" 1924: 1374

" 1924: 1103
" , Paredon, Coch.

" 1924: 1440

" with 1914: 1180

" 1924: 676
(Cincinnati Cit + Pl. Soc.)
J.H. Lloyd Dec 6

"
Orcutt 1924: 1563.

" 1924: 1543

" 1924: 1524

24.526 *Momammillaria griseifera*

24.527 *Echinocereus*

24.528 *Momammillaria brevis*

24.529 " *depressus*

24.530 " *zuccarumiana*

24.531 *Urbinia*

24.532 *Echinoforsythaeus*
perhaps n.p.

24.533 *Selenicereus*

24.534 *Apheloceros*

24.535 *Stapelia grandiflora*

24.536 *Hemerocallis*

Marzo, Chiapas, Colonia Dublan
Oscutt

"

"

"

" 1924: 1576

"

" 1924: 1577

"

" 1924: 1578

"

San Luis Potosi

" 1924: 1577

"

" 1924: 1545

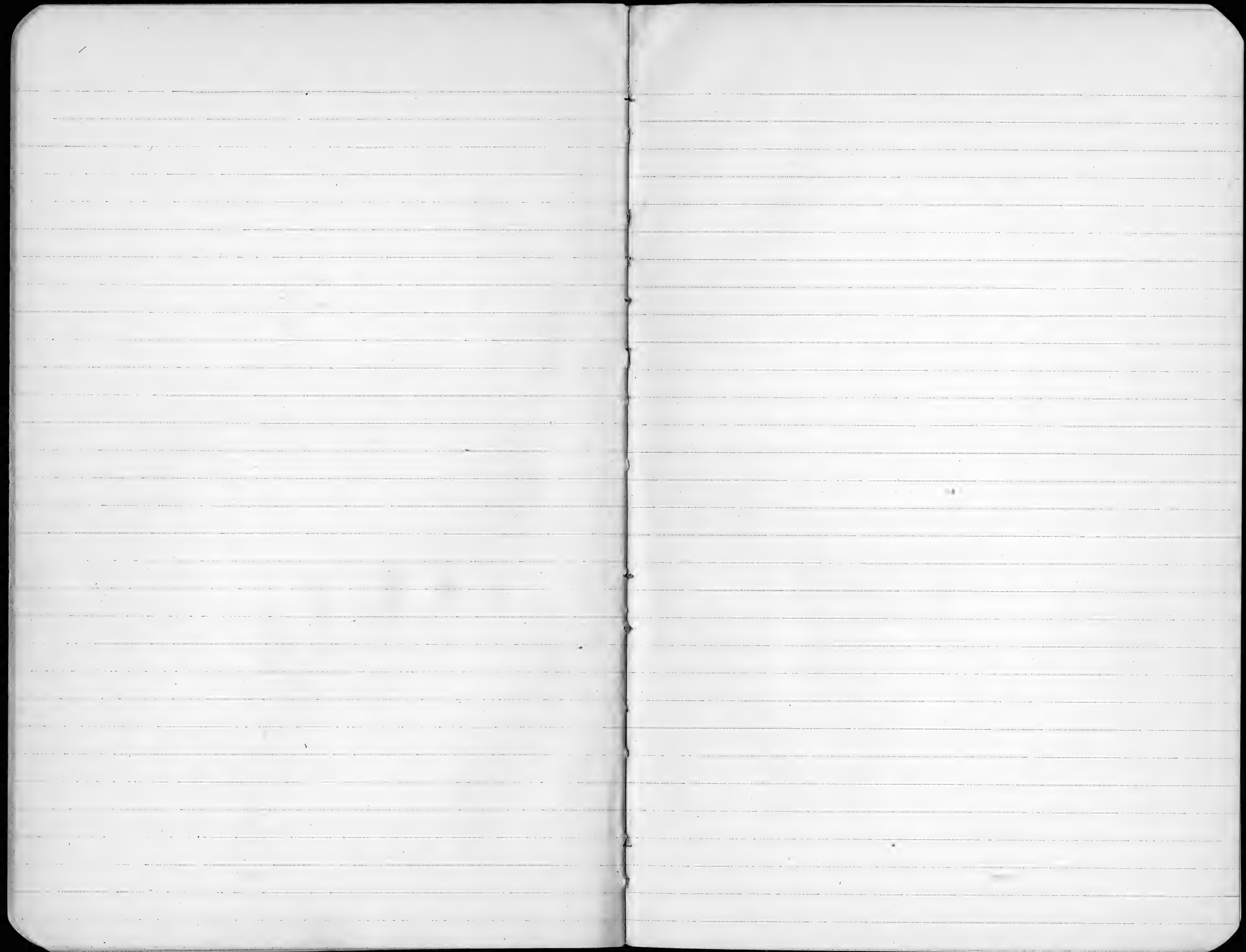
" Said to have larger red ("Colorado") flowers

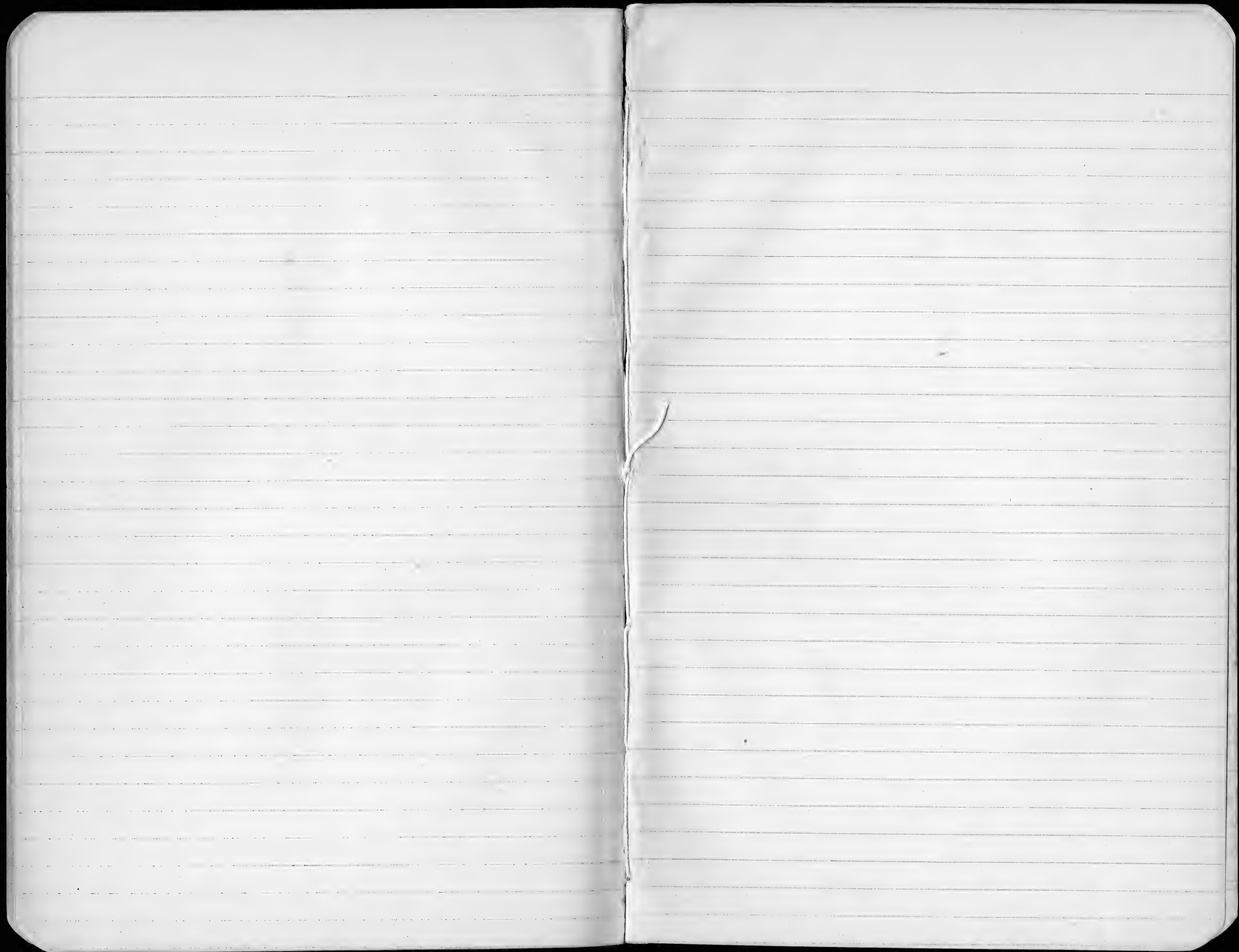
"

Brazil, 44 mi SE of Carolina Macanillas
EW Shaw

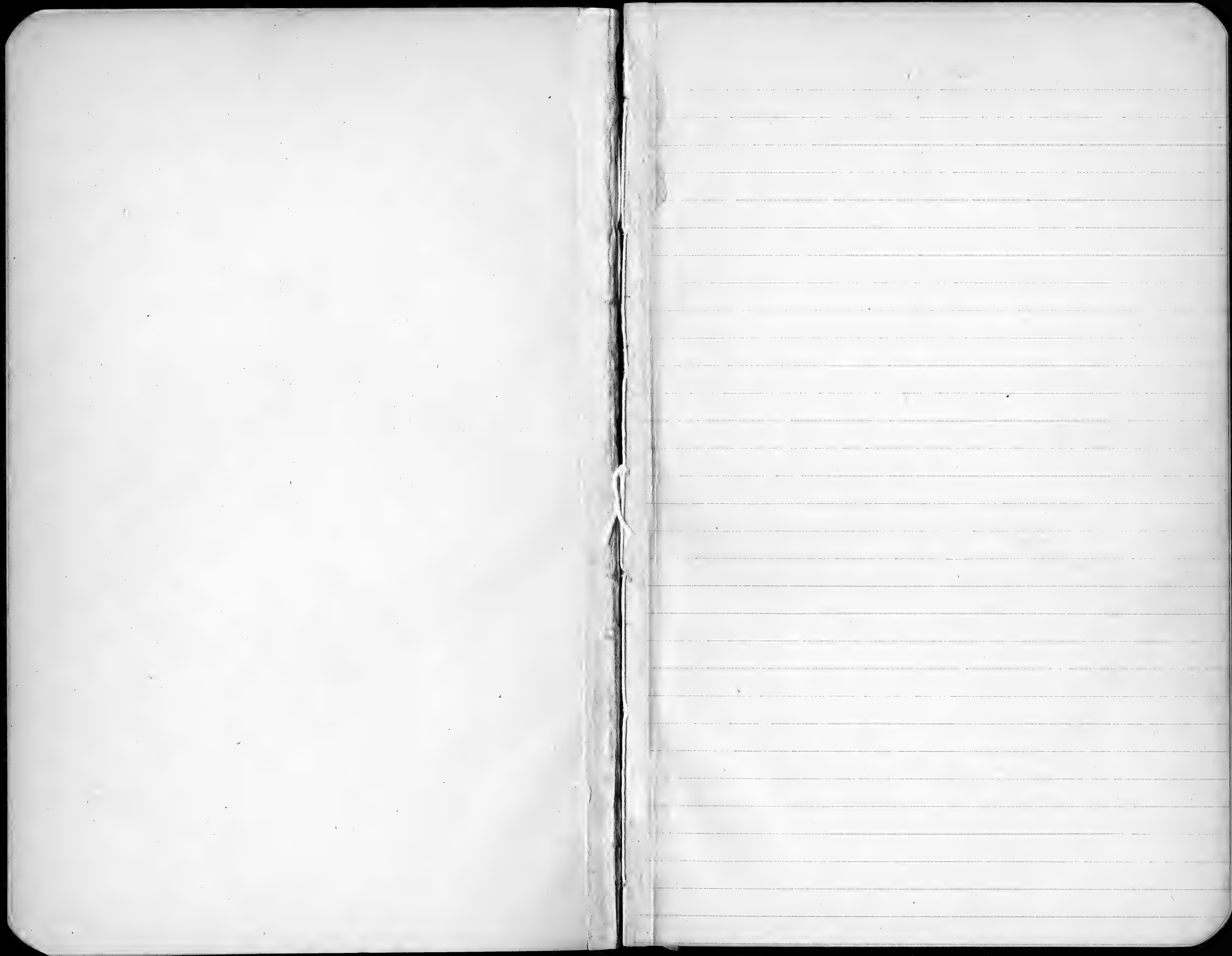
of Africa Old Great Horn Plant

Old Great Horn Plant





1925 - 1929



25.1 Echinocereus

25.2 Opuntia

25.3 Opuntia

25.4 Opuntia

25.5 Malacocarpus

25.6 Neomammillaria micata

25.7 Echeveria ^{palmeri} ~~volcanica~~ Roe

25.8 Sedum retusum Hand.

25.9 Sedum greggii Wend.

25.10

(a red lily)

25.11

(wild flower lily)

25.12 colocasia esculenta

"Lemon and lime for food, root used as a vegetable, large white leaf

25.13 Graptopetalum rusbyi

25.14 Cassia biflora

(red)

25.15 Dillolobus uniflorus

(red)

25.16 Neomammillaria olivacea

Texas, El Paso

Ch. Hammond.

Argentina Buenos Aires

California, Mouth of Deep Creek, Santa Rosa Mts, Colorado River

S.B. Parish

Jan 16

Mexico, near San Luis Potosi

Orcutt 1730

"

" 1740

"

9,000 ft. alt.

" 1799

China, 50 mi. S. of Songpan alt. 7200

David C. Graham

"

"

" Suifu, Szechuen alt 1000

"

Arizona, Tucson, Sabino Canyon

Edwin B. Kesteven

Jan 26

Mexico, Sea cliffs Mayaguez

Nov 27, 1927

"

" Sinaloa, Nacango

Nov 27, 1927

Arizona, Sabino Canyon, Santa Catalina Mts.

"

- 25.17 *Nomammillaria microcarpa*
 25.18 *Echinocereus viridiflorus*
 25.19 *Coryphantha nemorensis*
 25.20 *Escobaria dasycantha*
 25.21 *Echinocereus*
 25.22 *Opuntia atrispina* Griffith?
 25.23 *Opuntia aciculata* Griffith?
 25.24 *Opuntia cacanapa* Griffith
 25.25 *Echinocereus triglochidiatus* Engelm.
 25.26 *Echinocereus conoides* Rump.
 25.27 *Opuntia rufida* Engelm.
 25.28 *Opuntia engelmannii* form.
 25.29 *Opuntia macrocentra* Engelm.
 25.30 *Opuntia macrocentra* Engelm.
 25.31 *Opuntia aciculata* Griffith
 25.32 *Thelocactus bicolor* (Joh.) Britt + Rose

- Arizona, Sabino Canyon, Santa Catalina Mts.
 Edmon B. Bartram.
 New Mexico, near Soledad Canyon, Organ Mts. ^{alt.} 6200-7000
 R.H. Townsend. #1 Jan. 29,
 " #2
 " #3
 " #4
 Texas, Uvalde Canyon
 E. Mortensen #1
 " #2
 " #3
 " #6
 " #7
 " Terlingua, Brewster Co.
 " #10
 " #11
 " Brewster Co.
 " #12
 " Terlingua Co.
 " #13
 " Brewster Co.
 " #16
 " Lajitas, Brewster Co.
 " #22

25.33 *Echinocereus enneacanthus* Engelm.

25.34 *Opuntia grahamii*

25.36 *Coryphantha neomexicana* (Engelm.) Britt + R.

25.37 *Echinocereus dasyacanthus*

25.38 *Opuntia grahamii*

25.39 *Neomammillaria beyderi* (Muhl.) Britt + R.

25.40 *Neomammillaria multiceps* (S.D.) Britt + R.
= *Mammillaria texensis*

25.41 *Neomammillaria schiedeana*

25.42 *Cactus eschmayeri* (type loc.)

25.43 *Cactus bispinis*

25.44 *Escontria bella*

25.45 *Escontria bella*

25.46 *Mammillaria texensis* = *Neomammillaria multiceps*

25.47 *Coryphantha macromeris*

25.48 *Coryphantha*

25.49 *Coryphantha*

Texas, Brewster Co.

E. Mortensen # 23

" Presidio Co.

" # 24

" Terlingua Co.

" # 31

"

" # 32

" Brewster Co.

" # 33

" Uvalde Co.

" # 39

" Mueces Canyon, Uvalde Co.

" # 40

Mexico

Orcutt 1925:21

"

" 1925:22

"

" 1925:49

Texas, Devils River

M. H. Ferris 570 K.

" 570 L

"

" 570 M.

Texas

" 578

"

" 578 E.

" 578 E X

25.50 *Neomammillaria denudata*

25.51 *Echinomastus intertextus* B+R.

25.52 *Escobaria dasycantha* B+R.

25.53 *Nerolloydia texensis* B+R.

25.54 *Coryphantha*

25.55 *Neomammillaria denudata* B+R.

25.56 *Echinocereus octacanthus*?

25.57 *Echinocereus viridiflorus*

25.58 *Echinocereus viridiflorus*

25.59 *Opuntia*

25.60 *Opuntia*

25.61 *Opuntia*

25.62 *Echinocereus dasycanthus*

25.63 *Echinocereus dasycanthus*

25.64 *Opuntia*

25.65 *Opuntia lindheimeri* (form)

Texas

J. H. Ferris # 5189.

5199.

519 F.

519 H

Near Marathon

520 B.

520 G.

520 D

520 E.

Uvalde canyon

grows on rocky hills 3-4 ft. h.

Mar. 7.

E. Mortensen # 4

Brewster Co.

Crest 3-4 ft., sandy soil

Langtry

17
grows on gravelly hills

Terlingua

18
gravelly hillsides

19
Rocky, dry soil

Uvalde

20
On gravelly ridges. common

Uvalde canyon

41
grows on rich loam

42

25.66 *Opuntia atrispina* Griffith

25.67 *Neomammillaria pottii*

25.68 *Ferocactus lamnatacanthus*

25.69 *Echinomastus ferrisi*

25.70 *Thelocactus bicolor*

25.71 *Neomammillaria denudata*

25.72 *Echinocereus*

25.73 *Echinocereus*

25.74 *Echinocereus dasyacanthus*

25.75 *Echinocereus dasyacanthus*

25.76 *Echinocereus lloydii*

25.77 *Echinomastus nitidus* B & R

25.78 *Peperomia ~~monticola~~*
(bulb)

25.79 *Opuntia*

25.80 *Echinomastus ferrisi*

25.81 *Coryphantha macromeris* ?

Texas: Uvalde canyon Rocky hillsides

Mar. 7.

E. Montanum # 43

" Terlingua

Petals rose - colored with white striping
the stamens and pistils are yellow.

" # 21

" " near mouth of Rio Grande canyon Mar. 9.

J. H. Ferris

"

"

"

"

"

"

"

"

"

"

"

522 C.

522 B.

522

523 D

Mexico, Alvarez San Luis Potosi

Dec. 1. 1924

in company with Paul Orndorff 1924. 1968

" Monterey N. L.

Mar. 13.

Orndorff. 1924. 1966

Texas Blue Creek Canyon

J. H. Ferris 526a

Mar. 25.

526 B

25.82 *Coryphantha micromera*?

25.83 *Ferocactus uncinatus*

25.84 *Echinocereus dasyacanthus*

25.85 *Echinocereus*

25.86 *Opuntia polyacantha*

25.87 *Opuntia tortispina*

25.88 *Oncidium*

25.89 *Bynesia weinbergii* Rou.

25.90 *Coryphantha*

25.91 *Epiphyllum*

25.92 *Lemaireocereus*

25.93 *Echinocereus knippelianus*

25.94 *Pereskopsis*
(Tuna de playa)

25.95 *Nopalua*

25.96 *Opuntia*

25.97 *Echinocereus*

Texas Blue Creek Canyon.

Y.H. Ferris # 526 C.

"

" # 527

"

" # 526

Texas

Y.H. Ferris.

Wyoming

Yours. sometimes $3\frac{1}{4}$ in long.

Richard Kuschel

Mar. 17.

Texas Saba Co.

Yours. sometimes $3\frac{1}{2}$ in long, flowers about 2 in.
brown, pale yellow.

Panama

Collector unknown. n.s.g.H.

Mexico

Arcutt 1925: 418

"

" 1925: 351

"

" 1925: 473

"

" 1925: 339

"

" 1925: 396

"

" 1925: 417

"

" 1925: 336

"

" 1925: 404

"

" 1925: 349

25.98 *Opuntia grahamii*

25.99 *Echinocereus*

25.100 *Echinocereus*

25.101 *Echinocereus*

25.102 *Cuscuta*

(Seed)
25.103 *Myrtillocactus cochal*

25.104 *Neomammillaria milleri* D+R.

25.105 *Phellosperma tetranactea*

25.106 *Phellosperma tetranactea*

25.107 *Phellosperma tetranactea*
(Seed)

25.108 *Echinomastus intertextus*

25.109 *Opuntia*

25.110 *Echinocereus*

25.111 *Echinocereus*

25.112 *Sedum leophylloides* Rose

25.113 *Echeveria*

Texas. Terlingua

YH Ferris. 529a.

"

"

"

Big Bend.

"

528

"

"

529

Mexico, Jalisco

Lower California

CA Purpus in 1925.

EL Rest # 679.

"

"

723.

"

"

765

"

"

764

"

"

764

Texas, Davis Mts.

YH Ferris

Apr. 1,

"

"

"

"

"

"

Mexico, Victoria Tampe. Mts to S. of,

Robert Runyan #28

Apr. 8,

cal March -25

"

"

29

- 25-114 *Corypantha palmeri*
 25-115 *Corypantha radians* = *Nerbydia* or *arcuttii*
 25-116 *Ariocarpus trigonus*
 25-117 *Oblegonia denegrii* Fric.
 25-118 *Agave*
 25-119 *Valeriana*
 25-120 *Mesembrianthemum linguiforme*
 25-121 *Echinocereus dasyacantha*
 25-122 *Echinocereus viridiflorus*
 25-123 *Opuntia*
 25-124 *Echinomastus intertextus*
 25-125 *Echinocereus viridiflorus*
 25-126 *Corypantha nemexicana*
 25-127 *Ferocactus uncinatus*
 25-128 *Echinocereus richentachii*
 25-129 *Zephyranthes*

Mexico, Yaucoane; Sandy Lomas Mon 24
 Robert Runyon # 30

" " # 31

" " # 32

" Sandy hills # 33

" Rocky cliffs # 35

Green Home

no data.

Texas, near Alpine.

Apr 12,

J. H. Fernald # 532 C

" " 532 B

" " 532 A

" " -

" Sierra Blanca 534 D

" " 534 E

" " -

Mexico, Monterrey

Apr 12

Arcutt 1925: 576

" " 1925: 560

25. 130 (umbell.)

25. 131 *Pedilanthus*

25. 132 *Corypantha*

25. 133 *Opuntia*

25. 134 *Echinocereus*

25. 135 ~~*Echinocereus*~~ *Stictis* *Cephalocereus* *senilis*.

25. 136 *Neomammillaria amela*

25. 137 *Corypantha clara* Lam.

25. 138 *Echinofossulocactus coptonogonus* Lawrence

25. 139 *Echinofossulocactus coptonogonus* Lawrence
(Eud.)

25. 140 *Corypantha sulcobanata* Lam.

25. 141 *Neomammillaria*

25. 142 *Corypantha cornifera*

25. 143 *Neomammillaria succinata*

25. 144 *Neomammillaria*

25. 145 *Neomammillaria moelleriana*
Same as 24. 79

Mexico, Monterrey N. L.

Orcutt. 1925: 671

" Yaurare Tango

" 1925: 582

" Yaurare valley

" 1925: 556

"

" 1925: 584

"

" 1925: 581

"

Hidalgo

Alturo F. Moeller

Apr. 6.

"

" 2

"

" 2 (?)

"

" 3

"

" -

"

" 4

" Bayeno mts 10 mi S.E. of San Pedro.

" 5

"

Hidalgo

" 6

"

" 7

"

" 8

" Durango

" -

25-146 *Coryphantha* (red seed)

25-147 *Echinocactus* (gray seed)

25-148 *Coryphantha nemorensis*

25-149 *Echinocereus paucispinus*

25-150 *Coryphantha macromeris*

25-151 *Echinocereus dasyacanthus*

25-152 *Echinocereus*

25-153 *Epiphyllum stenopetalum*

25-154 *Acanthocereus floridanum*

25-155 *Bauhinia coultteri*

25-156 *Echinocereus dasyacanthus* (Seed)

25-157 *Echinocereus*

25-158 *Chamaefistula scandens* (Seed)

25-159 *Echinomastus ferrissii*

25-160 *Echinocactus horizontalis*

25-161 *Opuntia*

Mexico, Hidalgo

Alturo F. Mueller

"

"

Texas near Sierra Blanca

J. H. Ferriss 5-33a

"

"

5-33 T

"

"

"

"

Florida, Winter Park - introduced

H. Sievert

" Common along road between Palm Beach & Miami

Mexico, S.L. Potosi

Orcutt 1924 : 1731.

Texas, near El Paso

J. H. Ferriss

Texas, Ft. Davis in the Davis Mts.

H. L. Potter.

Canada, Quazaguit

Prof. Stevens in 1924

Texas, Uvalde

A. P. Dodd #21

" #25

" #48

- 25-162 *Opuntia pleuralis*
- 25-163 *Echinocereus octacanthus*
- 25-164 *Ariocarpus retusus*
(Seed) plant = 25-178
- 25-165 *Opuntia*
- 25-166 *Opuntia*
- 25-167 *Cephalocereus polygonus*
- 25-168 *Opuntia taylori* Britt + Rose
- 25-169 *Hyllocereus napoleonis* (Griseb) S. & R.
- 25-170 *Selenicereus boeckmannii* (Bott.) Britt + R.
- 25-171 *Neomammillaria prolifera* (Mill) Britt + R.
- 25-172 *Echinomastus*
- 25-173 *Mammillaria*
- 25-174 *Echinocereus*
- 25-175 *Echinocereus longisetus*
- 25-176 *Efossulocactus lloydii*
- 25-177 *Coryphantha*

Texas, Uvalde

A. P. Dodd. # 49

50

Mexico, San Luis Potosi

Orcutt

Haiti, Gonaive

G. S. Miller

"

"

" San Michel ^{San Michel ridge at north end of central plain alt about 1000 ft}

"

"

"

"

"

"

"

"

L. Archiaie

March 10

"

Mexico

Orcutt 1925: 307

"

" : 307 1/2

"

" : 308

"

" : 309

"

" : 310

"

" : 311

- 25-178 *Eriocarpus retusus*
Seed = 25-164
- 25-179 *Echinocactus horizontalis*
- 25-180 *Neomammillaria chionocephala*
- 25-181 *Neomammillaria chionocephala*
Seed of the above
- 25-182 *Opuntia*
- 25-183 *Neolloydia conopsea*
- 25-184 *Echinocereus*
- 25-185 *Echinocereus*
- 25-186 *Opuntia microdasys* ?
- 25-187 *Opuntia*
- 25-188 *Astrophytum asterias*
- 25-189 *Furcraea*
- 25-190 *Echeveria*
- 25-191 *Sedum tunicatum*
- 25-192 *Harrisia*
- 25-193 *Cuscuta hexagona* ^{cult.} _{Q. Mill.}
_(cult.)

Mexico

Arutt 1925: 315

"

: 318

"

: 320 in part.

"

"

: 320 in part

"

"

: 324

"

"

: 326

Mexico, Coah., Camero

"

: 309

"

with underground stems

"

: 320

"

"

: 320

"

"

: 330

"

"

—

"

"

—

"

"

: 322

Virginia Clarendon

Ralph Baldwin

Holland, The Hague

a. Van Dijk #1

"

"

#2

25-194 *Echinopsis*

(cult.)

25-195 *Echinopsis*

(cult.)

25-196 *Echinopsis*

(cult.)

25-197 *Opuntia*

(cult.)

25-198 *Opuntia*

(cult.)

25-199 *Opuntia*

(cult.)

25-200 *Nopalium*

(cult.)

25-201 *Harrisia*

(cult.)

25-202

(cult.)

25-203

(cult.)

25-204 *Mamillaria foetida*

(seed)

25-205 *Hippocrepis acapulcensis*

(seed)

25-206 *Quazuma ulmifolia*

(seed)

25-207 *Echinocereus pentaloophus*

25-208 *Echinocereus knippelianus*

25-209 *Apheloceros palmari*

Holland, The Hague

A. van Dijk # 7

8

9

10

11

12

12

4

5

6

Mexico

% Herrera

Orcutt 1925: 349

: 396

: 441

- 25-210 *Neolloydia*
- 25-211 *Echinocereus reichenbachianus*
- 25-212 *Selenicereus spinulosus*
- 25-213 *Echinocereus*
- 25-214 *Coryphantha*
- 25-215 *Arriocarpus*
- 25-216 *Arriocarpus*
(Seed)
- 25-217 *Oregonia*
- 25-218 *Phellocentrum tetrandria*
- 25-219 *Neomammillaria gummifera*
- 25-220 *Echinomastus nitidus*
- 25-221 *Coryphantha*
- 25-222 *Hippeastrum*
- 25-223 *Neomammillaria plumosa* Brit + Rose
- 25-224 *Neomammillaria longicoma* Brit + Rose
- 25-225 *Echinofossulocactus*

Mexico

Orcutt 1925: 554

: 576

: 578

: 581

Arizona, Krigman Hualapai Mts.
Mrs. Chas. Rhy.

Mexico, Chihuahua

Hammond 1925: 2002

1925: 2005

Mexico,

Orcutt 1925: 361

Peru, Andes

F. L. Herrera

Mexico

A. F. Moeller #9

S. Luis Potosi

#10

11

25. 226 *Echinofossulocactus octagonus*
25. 227 *Neomammillaria decipiens*
25. 228 *Thelocactus nidulans*.
25. 229 *Epithelantha micromeris* (Eng.) Weber
25. 230 *Echinocereus*
25. 231 *Selaginella lipidota*
25. 232 *Arriocarpus trigonus*
(seeds)
25. 233 *Sedum lineare* Thunb.
25. 234 *Coryphantha palmieri* B. & R.
25. 235 *Coryphantha*
25. 236 *Neomammillaria candida*
(Plant)
25. 237 *Neomammillaria candida*
(seed)
25. 238 *Echinofossulocactus*
25. 239 *Echinofossulocactus coptonogonus*
25. 240 *Leuchtenbergia principis*
25. 241 *Amazylis*
(bulbs) (wild)

Mexico. S. Luis Potosi.
A.F. Moeller #12.

" " #13.

" " #14.

" N. Leon #15

" Durango #16

Mexico

Washington D.C. Bot. Gard. Nat. of Japan May 22
H. N. Rose

Mexico, San Luis Potosi
A.F. Moeller #17

" " #18

" " #19

" " #19

" " #20+21

Ceara, Brazil
Agnes Chase May 28

25.242 *Amaranthus*
(wild bulb)

25.243 *Cereus hexagonus*

25.244 *Acathocarpus floridanus*

25.245 *Conyopancha aggregata*

25.246 *Opuntia versicolor*

25.247 *Echinocereus viridiflorus*

25.248 *Dudleya abramsii* Rose.

25.249 *Opuntia*

25.250 *Paspiflora caerulea* L.

25.251 " *herbertiana* Lindl.

25.252 " *edulis* Sims

25.253 " *rubra* L.

25.254 "

25.255 " *maxima* ?

25.256 " *ligularis*

May 28
Brazil, Serra de Gramma, Minas Gerais.

Agnès Chase

Florida, Winter Park.

H. Sievert

May 29.

Arizona, Oak Flat between the head of ^{Devil's Canyon} ~~Quinn's Creek~~ +
A. R. Leding. May 25.

Colorado, between Cherokee Park & Virginia Dale, northern Larimer Co.
Edwin B. Payson. May 31.

California, Tehachapi mts
A. Davidson. May.

West Virginia, Harpers Ferry
E. Wherry. June 10.

La Mortole, Italy (1459)

" " (1461)

Azores [B.P.T.]

1924

Venezuela Pittier 11387

1925

[SP9 51392]

Colombia, Bogota - Killip 9721

" Popayan Pennell & Bailey 6801

- 25.257 *Passiflora typhostemmatoides*
 25.258 " *emarginata* HB.
 25.259 " *chelonoides* Mast.
 25.260 " *mollis* HBK.
 25.261 " *maurita* (Juss.) Pers.
 25.262 ?
 25.263 *Passiflora*
 25.264 " *mexicana* (atypical)
 25.265 *Amaryllis belladonna*
 25.266 *Mammillaria zuccariniana*
 25.267 *Echinocereus*
 25.268 *Echinofossulocactus tricuspidatus*
 25.269 *Echinofossulocactus*
 25.270 *Coryphantha cornifera*
 25.271 *Pachycereus marginatus*
 25.272 *Mammillaria decipiens*

- Colombia: La Cumbre Kaulip 5561
 " Dinto Garcia (P.K. 6982)
 " La Cumbre P.K. 5752
 " " " 5687
 " San Andres " 6421
 " Popayan "
 Palmyra Palmyra Kelly 6199a
 Mexico: Monserate Purpus
 Africa, Cape Town May 14.
 B. Marloth
 Mexico
 Orcutt 1925: 19
 " -
 " -
 " 1924: 1546
 " -
 " 1925: 88
 " -
 " -
 " 1924: 1540
 " -

25.273 *Pelecyphus aseliformis*

25.274 *Dudleya*

25.275 *Neomammillaria multiceps*

25.276 *Coryphantha pectinata*

25.277 *Hamatocactus subspinosus* (Engelm.) Br. & R.

25.278

25.279

25.280

25.281

25.282

25.283

25.284

25.285

25.286

25.287

25.288

Mexico

"

" n

Texas, Pec

" Ho

25.278-25-285

Epiphyllum

25.281 - 301

Calceol

7-12

25.301 *Neomammillaria*

25.302 *Epiphyllum*

A.V. Fair - Texas

25.273 *Pelecyphus aseliformis*

25.274 *Dudleya*

25.275 *Neomammillaria multiceps*

25.276 *Coryphantha pectinata*

25.277 *Hamatocactus setispinus* Engelm. & R.

25.278

25.279

25.280

25.281

25.282

25.283

25.284

25.285

25.286

25.287

25.288

Mexico

Orcutt 1925: 71

"

"

" near Yauzare

↓ Orcutt & Runyon.

Texas. Pecos, near Rio Grande

J. H. Ferriss 516.

Jan 12.

" House Top Mountain, Southern Texas

"

518.

25,289

25,290

25,291

25,292

25,293

25,294

25,295

25,296

25,297

25,298

25,299

25,300

25,301

25,302

25,303 *Coryphantha mexicana*

25,304 *Echinocereus*

El Paso Texas

Charles Hammond,

* " (201)

25,305 *Echinocereus chloranthus*

25,306 *Mallophya concolor*

25,307 *Morfea*

25,308 *Neobaccharis* *25,309*

25,309 *25,310*

25,310

25,311 *25,312*

25,312 *Echinocereus*

25,313 *Opuntia macrochaeta*

25,314 *Diom*

25,315 *Opuntia fusca*

25,316 *Delonix pumila*

25,317 *Daphne mezereum* **Dead**

25,318 *Clusia minata* Regel.

25,319 *Neomammillaria*

25,320 *Neomammillaria*

El Paso Texas 1921

C. Hammond, 242

11-21-21

C. H. Arcutt # 1032

Engle Texas 1921

Robert K. K. K.

Huntville, Texas 1921

S. R. Haines

New Mexico, Texas 1921

Texas, 1921

S. R. Haines

Chiapas Mexico

Dr. C. A. Pampas

F. C. Lloyd July 1921

Monterrey B.C.

Dr. A. Davidson

Tehachas Mts. Los Angeles Cal

1921

Gen. Hilcox

My State

South Africa U.S. Dept. Agric.

25,318

Mexico

Arcutt 1133

1925: 958

- 25-321 *Echinocereus chloranthus*
 25-322 *Echinocereus viridiflorus*
 25-323 *Echinocereus standleyi*
 25-324 *Escobaria tuberculosa*
 25-325 *Dioon tulleyi* Rose nsp.
 25-326 *Sedum anglicum* Huds.
 25-327 *Sedum multiceps*
 25-328 *Sedum amplexicaule* DC.
 25-329 *Sedum dasycphyllum oblongifolium* Bal.
 25-330 *Sedum dasycphyllum glanduliferum* Monr.
 25-331 *Sedum alsinifolium* All.
 25-332 *Sedum stoloniferum* Griseb.
 25-333 *Sedum adolphi*
 25-334 *Sedum ellasiombianum* Raeyn.
 25-335 *Sedum verticillatum* Jordan
 25-336 *Umbilicus oppositifolius*

Texas

Chas. Hammond.

July 31

Mexico

Mexican Embassy

France

Recd. Aug. 19, 1915

25.337 *Sedum album* Poir.

25.338 *Sedum dasystylum glandulosum* Maire

25.339 *Sedum chabaudi*

25.340 *Sedum winkeri* Wollny & Dod.

25.341 *Sedum brevifolium* DC.

25.342 *Sedum turkestanicum* Regel.

25.343 *Sedum luteolum* Chab.

25.344 *Umbilicus pendulum* DC.
(*Umbilicus*)

25.345 *Sedum gypsicolum* Boiss.

25.346 *Sedum amecamecanum* Raeyn.

25.347 *Sedum primulaeoides* Blanchet.

25.347 *Sedum atriangulum* Kuhn.

25.348 *Sedum indicum*

25.349 *Sedum jacobae*

25.350 *Sempervivum atlanticum* Bol.

25.351

France.

Mexico. Mich.
Anene.

25-352 Mammillaria collina

25-353 Echeveria

25-354 Mammillaria dealbata

25-355 Mammillaria

25-356 Echinoforus cactus

25-357 Agave

25-358 Mammillaria

25-359 Echeveria truncata Schott

25-360 Echeveria glauca

25-361 Sedum spathulifolium

25-362

Orija de Buena

25-363 Opuntia

25-364 Opuntia

25-365 Ferocactus chrysacanthus (Pursh) R. & P.

25-366 Echinocereus maritimus (Gouan) Sch.

25-367 Opuntia cholla Weber

Mexico

Orcutt 1925-1984

1487

1531

1535

1536

1670

1672

1733

1852

1853

1855

Lower California, Guadalupe Is.

H. L. Mason 1547

Clarion Is.

1593

Cedros Island

2005

2007

2043

Apr 20

Apr 24

June 3

June 6

25-368 Mammillaria

25-369 Mammillaria

25-370 Cochlosia poudii (Griseb) Walp

25-371 Mammillaria goodridgei (Schub) R. & R.

25-372 Stenomeria incarnatum

25-373 Amarilis

25-374 Zamia

25-375 Cephalocereus
(Lud)

25-376 Neomammillaria

25-377 Cereus

25-378 Dioon
(Dioon del Pinon)

25-378 a Dion

25-379 Mibocactus Cactus

25-380 Sedum griffithii Rose.
at 5500 ft.

25-381 Neomammillaria schwarzii (II)

25-382 Anhalonium (I)

Maria Madre Islands

H. L. Mason 1752

"

" 1783

Cedros Is.

" 2008

San Quintin Bay

" 2065"

Peru, Areco

F. L. Herrera

Aug 12

"

"

Mexico, Zamapam, Vera Cruz.

Sept 1

C. A. Purpus

" Rio de los Carabos

"

" Monserato, on rocks

"

" Jalisco

Feb 24

"

" Monserato 600 miles

"

"

"

"

"

July

Arizona, Merenduth Canyon, Santa Rita Mts. Sept 2

E. B. Bartram

Mexico, Durango, Gomez Palacio

Theo Schwarz #1

"

"

#2

- 25.383 *Areocarpus chantii robustus* (2)
 25.384 *Areocarpus frimetus* (1)
 25.385 *Mammillaria tapon* (3)
 25.386 (5)
 25.387 *Areocarpus coahuilae* (6)
 25.388 *Echinocactus* (1)
 25.389 *Echinocactus* (1)
 25.390 *Mammillaria* (1)
 25.391 *Mammillaria* (1)
 25.392 *Mammillaria* (1)
 25.393 *Mammillaria* (1)
 25.394 *Mammillaria* (1)
 25.395 *Coryphantha* (1)
 25.396 *Mammillaria* (1)
 25.397 *Coryphantha* snow ball (1)
 25.398

Mexico, Durango, Gomez Palacio.
 Theo. Schwarz #3

- " " #4
 " " #5
 " " #6
 " " #7
 " " #8
 " " #9
 " " #10
 " " #11
 " " #12
 " " #13
 " " #14
 " " #15
 " " #16
 " " #17

Mexico, Tepic, Mesquites, San Ignacio, alt 150 m.
 J. G. Ortega 1933.

25. 399 Neomammillaria milleri

25. 400 Neomammillaria

25. 401 Opuntia

(2)

25. 402 Coryphantha

25. 403 Mammillaria pseudo-perbella

25. 404 Echeveria

25. 405 Gymnocalycium

25. 406 Ferocactus alamosanus

25. 407 Ferocactus covillei

25. 408 Ferocactus townsendianus

25. 408^a Ferocactus townsendianus
(seed)

25. 409 Ferocactus falcatus Orcutt.

25. 410 Ferocactus

25. 411 Ferocactus

25. 412 Coryphantha

25. 413 Neomammillaria sheldonii R+R.

Arizona, Phoenix.

R.G. Haskett.

Tortugas, Florida.

Paul Bartsch

Mexico

Orcutt 1925: 1879

Germany

Bödeker Köln / Rhein.

Peru, Dist. of Allantairabo Prov. Urubamba ^{alt} 2900 m
F.L. Herrera # 210

Colorado

Sept.

Cockrell

Mexico, Sonora

J. G. Ortega 5794

Aug.

" 5796

" Lower California

" 5797

" seed of 5797

" 5800

" Sinaloa

" 5801

" 5802

" Sonora

" 5745

" 5734

25.414 Neomammillaria

25.415 Neomammillaria frailei DOR.

25.416 Neomammillaria

25.417 Neomammillaria

25.418 Neomammillaria

25.419 Neomammillaria

25.420 Neomammillaria

25.421 Neomammillaria

25.422 Neomammillaria

25.423 Neomammillaria

25.424 Neomammillaria

25.425 Neomammillaria

25.426 Neomammillaria

25.427 Neomammillaria

25.428 Neomammillaria

25.429 Neomammillaria

Mexico. Sonora

J. G. Ortega 5235

Mexico. Lower California

" 5236

" I.M.

" 5237

" Sonora

" 5238

"

" 5239

"

" 5240

"

" 5241

"

" 5242

"

" 5243

"

" 5244

" I.M.

" 5247

" Sonora

" 5248

"

" 5249

"

" 5250

"

" 5251

" Sonora

" 5252

25.430 *Neomammillaria*

25.431 *Neomammillaria*

25.432 *Neomammillaria*

25.433 *Neomammillaria*

25.434 *Neomammillaria*

25.435 *Neomammillaria*

25.436 *Neomammillaria*

25.437 *Neomammillaria*

25.438 *Neomammillaria*

25.439 *Neomammillaria*

25.440 *Neomammillaria*

25.441 *Neomammillaria*

25.442 *Cochemia*

25.443 *Aphalocerus purpurei* B-P

25.444 *Hyloterus*

25.445 *Pachycerus pringlei*

Mexico, Sinaloa

" J. G. Ortega 5283

Mexico, "

" 5284

Mexico, "

" 5285

Mexico, "

" 5286

Mexico, "

" 5287

Mexico, "

" 5288

Mexico, Sonora

" 5289

Mexico, "

" 5290

Mexico, "

" 5291

Mexico, "

" 5292

Mexico, Durango

" 5293

Mexico, Sonora

" 5294

Mexico, "

" 5295

Mexico, Sinaloa

" 5296

Mexico, "

" 5297

Mexico, Sonora

" 5298

25.446 *Lamprocerus thurberi*

25.447 *Sedum*

25.448 *Opuntia abiculata*

perhaps 04.276, 04.436, 05.514, 09.358, n 12.164

25.449 *Escobaria chaffeyi* (Tolka Finc)

25.450 *Passiflora palmeri*

25.451 *Cotyledon umbellatus reneris*

25.452 *Crassulaceae*

25.453 *Echeveria coccinea*

25.454 *Echeveria*

25.455 *Dolichotheca sphaerica* B&R

25.456 *Neomammillaria microcarpa* B&R

25.457 *Coryphantha neomexicana* B&R

25.458 *Thelocactus bicolor* B&R

25.459 *Echinocereus*

25.460 *Echinocereus*

25.461 *Echinocereus*

Mexico, Sonora

Y. G. Ortega 5823.
Mt. Blanca, France Killip 13023 8/4/25

Dr. G. H. U.S.D. Agri

Synt.

Mexico

Fril

Yucatan - Gummer 23671

South Florida (Nat. Marcs).
David Fairchild

Oct 5.

Mexico

Orentt 1925: 2213.

" 1925: 2244

" 1925: 2310

Texas, Laredo

Alan, P. Dodd. 56

Aug 25.

Arizona, Tucson

" 70

" Pinaline Mts

" 108

Texas, Marathon

" 109

" Uvalde

" 52

" Devil's River

" 51

Arizona, southern

" 119

25.462 *Echinocereus*

25.463 *Echinocereus*

25.464 *Ferocactus covillei* B. & R.

25.465 *Ancistrocactus brevipinnatus* B. & R.

25.466 *Escobaria tuberculosa* (Engelm.) B. & R.

25.467 *Coryphantha macromeris* B. & R.

25.468 *Echinocereus fendleri* Engelm.

25.469 *Opuntia kunzii* Rose

25.470 *Opuntia*
(Cult.)

25.471 *Opuntia*

25.472 *Opuntia*

25.473 *Opuntia*

25.474 *Opuntia*

25.475 *Opuntia*

25.476 *Opuntia*

25.477 *Opuntia*

Arizona, northern, Mormon Lake
Alon P. Dodd 77

California, southern, Cuyamacca
" 89

Texas, Fort Davis
" 85

" , Uvalde
" 106

" , Shafter
" 113

" , Sanderson
" 102

" , Shafter
" 111

Arizona, Pinalino mts.
" 82

Texas, Uvalde
" 55

New Mexico, Carlsbad
" 60

"
" 61

Arizona, southern, Huachuca mts.
" 64

" , Bisbee
" 74

" , northern, Mormon Lake
" 79

" , Globe
" 81

Texas, Sanderson
" 92

Aug 27

- 25-478 *Opuntia*
25-479 *Opuntia*
25-480 *Opuntia*
25-481 *Opuntia*
25-482 *Macrozamia denisoni*
(Cud)
25-483 *Amaryllis*
(Cud)
25-484 *Neomammillaria denuda*
25-485 *Selenicereus boeckmannii*
25-486 *Selenicereus vagans*
25-487 *Coryphantha nemericensis*
25-488 *Echinocereus dasyacanthus*
25-489 *Lunaria annua* L.
25-490 *Coryphantha*
25-491 *Opuntia polyacantha*
(one planted Decatur Heights, Md.)
25-492 *Opuntia fragilis*
(" ")
25-493 *Leucophyllum texanum*

- New Mexico, northern, Cimarron
Alan P. Dodd 96 Aug. 27
- " " Tase 98
- Colorado - Trinidad 99
- Colorado " 100
- Australia, Queensland Aug. 7, 1924
- Brazil Summit of Serra da Gramma
P.H. Rolfs.
- Texas, El Paso Oct. 13.
Chas Hammond
- California, Los Angeles Cult.
H.M. Wegener & Ch Griffith. Sept. 15.
- " "
- Texas C. Hammond (with 25-484)
- Texas "
- Virginia PR Monroe
- California, Riverside CC Yager
- Alaska, Brooks Oct. 12
T. E. Lloyd.
- " "
- US Dept. Agri G. H. Bone Nov. 3.

25.494 *Dudleya goldmanii*

25.495 *Sedum spatulifolium* HBK.

(one in garden Decatur Heights 2nd 802)

25.496 *Opuntia engelmannii* ?

25.497 " *fraseri* Engelm.

25.498 " " "

25.499 " *macbridei*

25.500 " "

25.501

25.502

25.503

25.504

25.505

25.506

25.507

25.508

25.509

Oct. 26
California, Little San. River, lower course of north fork.
D.F. MacDougal.

Texas, Brewster Co

Montgomery 11/17

" Near Brown

" 137

" Lerkey

" 141

" Dallas

" 126

" Rock Springs

" 138

25.520

Arum liliaceum

25.521

Barb. Slack

25.522

Ciched

25.523

Cult.

25.524 *Dudleya*

25.525 *Crassula*

25.526 *Graptopetalum ruschyi*

25.527 *Echeveria*

Congo Fern

Senecio

1921

California, Victorville near Barstow

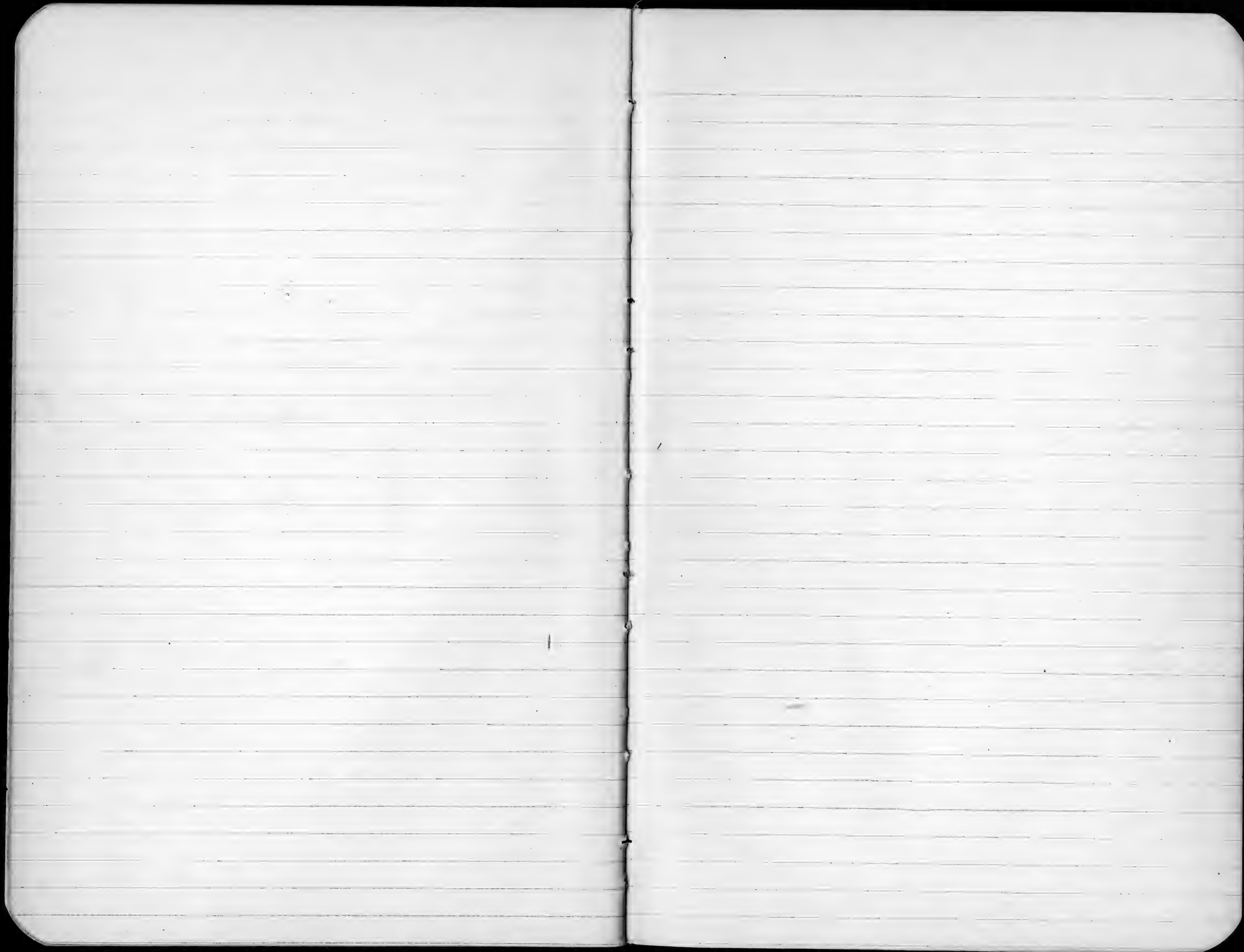
O.T. McElroy

Missouri, Mo. Bot. Gard.

Arizona, Superior

Cult.

Buchanan



26.1 Echinocereus reichenbachii Hage

26.2 Phellospuma tetrametra (Engelm) B.M.

26.3 Dudleya conferta

26.4 ~~Polystichum~~

26.5 ~~Poa~~

26.6

26.7

26.8

26.9 Echeveria

26.9a (sent by Anna W. Kidder (Apr 10 '26))

26.10

26.11

26.12 = 26.5

26.13 Sclerocactus polyancistrus

26.14 Zephyranthes bifolia (Aubl) Roem.

bull.

26.15 Hippeastrum puniceum (Lam) Vahl.

bull.

26.16 Hippeastrum puniceum (Lam) Vahl.

bull.

Oklahoma, near Sulphur

Wm E. Branch

Jan 1 1926

Locusts Arizona

A.R. Leding

Feb 16, 1926

San Francisco, Cal

A.W. Kidder

Feb 14 1926

~~Chico, Arizona Joseph 2826~~

~~See #s 26.73 + 26.74~~

California, Cult.

Anna W Kidder

3/10 26

California?

E. C. Root

3/10

Haiti, Gros Morne, Dry thicket, fl. reddish purple

E.C. Leonard 9785

2/1

" Marmelade, inside, border of thicket on cliff.

9323

12/25

"

"

Coffee plantation

8076

12/25

- 26.17 *Zephyranthes bifolia* (Aubl) Roem. Bulb
- 26.18 *Hymenocallis ~~multiflora~~ arenicola* Nathrop. Bulb
- 26.19 *Bletia florida* R.Br. orchid bulb
- 26.20 *Bletia patula* Hook. orchid bulb
- 26.21 *Bletia florida* R.Br. orchid bulb
- 26.22 *Epidendrum cochleatum* L. orchid bulb
- 26.23 *Canna coccinea* Mill. Fluffy seeds
- 26.24 *Oncidium variegatum* Sw. plants
- 26.25 *Rhoeo discolor* (L. Nees) Wanc. large plant
- 26.26 *Pachira*
this plant died Scale fumigation twice
- 26.27 *Bryophyllum calycinum* Salisb. Scale fumigation twice
- 26.28 *Annona reticulata* L. seed
one plant Sept 1926
- 26.29 *Mirabilis jalapa* L. seed
- 26.30 *Carica papaya* L. seed
germinating Apr 23, 1926
- 26.31 *Nerium crepitans* L. seed
germinating Apr 23, 1926 Specimen July 13, 1926
- 26.32 *Terminalia catappa* L. seed

- Haiti, Marmelade, Open summit of mountain fl. light red. $\frac{12}{25}$
E.C. Leonard 8378
- " Dondon, Coffee Plantation fl. white fragrant $\frac{1}{9}$ 26
" 8759
- " Marmelade, Steep grassy Mountain slope fl. purple. $\frac{12}{25}$
" 8203
- " St Michel, Mt. Plombasson, dry grassy slopes fl. bright purple $\frac{12}{25}$
" 7290
- " Dondon, Open grassy ridge fl. purple. $\frac{1}{2}$ 26
" 8751
- " Marmelade, rock, shelter on summit of mt. $\frac{12}{25}$
" 8380
- " Pilate, piled on edge of field by natives $\frac{2}{11}$ 26
" no number
- " Gros Morne in bush tree, fl. light purple $\frac{7}{17}$ 26
" 9901
- " Ennery, rocky bank. $\frac{2}{3}$ 26
" 9480
- " Vicinity of Ther. Large tree, fl. red. $\frac{3}{24}$ 26
" 10124
- " " " $\frac{2}{27}$ 26
" no no
- " Gros Morne, Tree about 20 ft. $\frac{3}{17}$ 26
" 9819
- " Ennery fl. purple & white $\frac{1}{12}$ 26
" no #
- " Gros Morne, fruit purchased from natives Feb 16, 1926
" no #
- " Ennery $\frac{1}{31}$ 26
" no #
- " " $\frac{2}{9}$ 26
" 9585

26.33 *Bixa orellana* L.

Seed

26.34 *Canna coccinea* Mill.

Seed

26.35 *Bletia florida* R.Br.

Orchid.

26.36

Leafy

26.37 *Epidendrum bifidum* Aubl.

Orchid.

26.38

Cutting

26.39 *Sansevieria gurneensis* Willd.

Leaf

26.40 *Tillandsia*

26.41 *Tillandsia*

26.42 *Tillandsia*

26.43 *Tillandsia*

26.44 *Tillandsia*

26.45 *Tillandsia*

26.46 *Tillandsia*

26.47 *Tillandsia*

26.48 *Tillandsia*

Haiti, Ennery.

E. C. Leonard 10022a

Feb. 1926

" Marmelade.

$\frac{12}{20}$ 25

Dry seedling Aug 13, 1926

" No #.

" St. Michel grassy slope of Mt. La Cible.

$\frac{12}{16}$ 25

" 8031

" "

1925

" No #.

" St. Raphael antec.

$\frac{12}{2}$ 25

" 7669

" Gros Morne, in yard.

$\frac{3}{4}$ 26

" 9992

" Plaisance, dry slope along stream

$\frac{1}{27}$ 26

" 9228

" Gros Morne, in tree

$\frac{3}{19}$ 26

" 10014

" Ennery, in tree

$\frac{3}{4}$ 26

" 9525

" Palate, in tree

$\frac{3}{1}$ 26

" 9691

" Ennery, in tree

$\frac{2}{4}$ 26

" 9524

" Ennery, on rocks

$\frac{3}{1}$ 26

" 9580

" Ennery, on rock

$\frac{1}{21}$ 26

" 9104

" Ennery, on ground in dense thicket

$\frac{3}{5}$ 26

" 9539

" Gros Morne, on tree, dry thicket

$\frac{3}{18}$ 26

" 10017

" Gros Morne, in tree

$\frac{2}{16}$ 26

" 10016

- 26.49 Tillandsia
- 26.50 Sedum dasyphyllum
- 26.51 Sedum anglicum
- 26.52 Sedum
- 26.53 Sedum
- 26.54 Begonia
- 26.55 Cassia (seed)
- 26.56 Opuntia polyacantha
- 26.57 Conyophanthe robustispina
- 26.58 Sedum
- 26.59 Dudleya
- 26.60
- 26.61 Opuntia opuntia seeds
- 26.62
- 26.63 Ipomoea nil. Y. seed
- 26.64
- seed
- seed

- Haiti, Gros Morne on tree
E.C. Leonard 10015 $\frac{2}{17}$ 26
- California (France)
Anna W. Kidder #1 $\frac{3}{13}$
(Germany)
" #2
" (origin unknown) #3
" #4
- Mexico, Hacienda Zacuapam, Huatusco, Ver.
C.A. Purpus
- Mexico
C.A. Purpus 10579
- Canada, Craigville Dist.
A.H. Brinkman #18312 July 11, 1925
- Arizona, open desert S.E. of Tucson between Continental and the Santa Rita Mts.
G.J. Harrison & A.R. Leding
- California, the Desert Garden, Escondido
W.J. Beecroft
- California, San Geronimo Pk. between White water & Caloga
L.R. Abrams
- Mexico, Vera Cruz
C.A. Purpus 1925
- Long Island
Minnie Marshall
- Haiti, St. Michel (planted Marshall, 1914)
E.C. Leonard 8529 $\frac{1}{2}$ 26
- Haiti, St. Michel
" 20842 $\frac{11}{17}$ 25
- Haiti, St. Michel
" 2074 $\frac{11}{17}$ 25

Leach

12-26-06

Recd 5/14/26

1. Search

See 11

1 Seed.

Seed

Recd.

Recd.

Recd.

Recd.

Recd.

Recd.

Recd.

Recd.

Recd.

E. C. Leonard 8484

7702

2688

76 23

849.

8203

8517

See 25. 378

Claude Gough 2826

Harriet

BC Sharp

BC Thompson

Robert R. Ryan

Mr. Chas. Bly.

Boyce Thompson #1

Removed from
#26.4 & 26.5
A.W. Kadden no.

Apr 17

Apr 30

26-81 *Echeveria*

(Mexico of Mexico)

26-82 *Graptopetalum rusbyi*

26-83 *Lophophora williamsii*

26-84 *Echinocereus stramineus*

26-85 *Echinomastus*

26-86 *Neomammillaria macdougalii*

26-87 *Coryphantha virgata*

26-88 *Echinocereus baileyi*

26-89 *Echinocereus*

26-90 *Aur. rubrum* L.

26-91 *Oudleya collinsae*

26-92 *Crassula arborescens*

26-93 *Furcactus covillei* B & R.

26-94 *Furcactus wislizeni* (Engelm.) B & R.

26-95 *Neomammillaria macdougalii* Rose

26-96 *Echinocereus rigidiscapus* (Engelm.) Rose.

Arizona, Southwestern Arboretum

Barry Thompson #2

"

#3

Texas Houston

Col. M. L. Croom

New Mexico, Hot Springs

Herbert L. Potter

Texas, El Paso

Arizona, Sells, Bureau of Plant Industry

Frank A. Thacker

Oklahoma

Robert F. Manda

Virginia, Clarendon

Ralph B.

Arizona, Layton

Rose E. Calloway

Florida

Blake

Arizona, Sells

Frank A. Thacker

26.97 *Coryphantha aggregata* (Engelm.) W.R.

26.98 *Echinomastus euctocentrus* (Coul.) W.R.

26.99 *Echinocereus rigidissimus* Rose.

26.100 *Coryphantha* aff. *aggregata*

26.101 *Echinomastus euctocentrus*

26.102 *Cephalocereus senilis*

26.103 *Qualeya colonialis*

26.104 *Tradescantia macrantha*

26.105 *Sempervivum palmense*

26.106 *Zephyranthes carinata*

26.107 *Coryphantha vivipara*

26.108 *Opuntia polyacantha*

26.109

26.110 *Echinocactus*

dead Dec 1925

26.111 *Mammillaria*

26.112 *Cereus geometrizans*

Arizona, Sells.

Frank A. Thackery.

June 1.

Arizona Sells. Batognivari Mts.

M. French Gilman #1

June 8

"

"

#2

"

"

#3

Mexico

G. S. M. Scott.

June 9

Arizona, Payson

Mrs. W. B. Collins.

June 16

Texas?

Record lost.

Spain

Gibraltar.

Seed rec. from P. Francisco, Yacht Utöwana.

Inspection house.

June 11

Cult.

June 11

E. C. Powell.

Kansas, Tribune

C. R. Ball

June 26

New Jersey, West Orange (Cult.)

R. F. Manda #1

June 26

"

#2

#3

26.113 *Echinocactus monvillei*

26.114 *Echinocactus wislizeni*

26.115 *Echinocactus grusonii*

26.116 *Anhalonium williamsii*

26.117 *Echinocactus setispinus*

26.118 *Mammillaria longimamma*

26.119 *Echinocactus ingens*

26.120 *Mesembryanthemum pseudotruncatellum*

26.121 *Echinocereus coccineus*

26.122 *Echinocereus viridiflorus*

26.123 *Coryphantha nemoralis*

26.124 *Coryphantha vivipara*

26.125 *Rhipsalis*

26.126 *Dudleya*

26.127 *Dudleya macdougalii*

26.128 *Dudleya goldmanii*

New Jersey, West Orange (Cult.)
R. F. Manda

June 26

New Mexico, near Santa Fe
C. R. Orcutt

June 30

Texas, near Fort Davis

Texas, Fort Burg
W. A. Bridwell

Jamaica

W. R. Mason 9314

California, Monterey Co. south side of Pico Blanco
MacDougal

" north fork of Little San River

" head of the Little San River

- 26.129 *Ferocactus johnsonii* Britt & Rose.
 26.130 *Ferocactus acanthodes* Britt & Rose.
 26.131 *Echinocereus fendleri*
 26.132 *Neomammillaria grahamii*
 26.133 *Aporocactus flagelliformis*
 26.134 *Opuntia basilaris*
 26.135 *Opuntia hystricina*
 26.136 *Echinocereus caespitosus*
 26.137 *Echinocereus pectinatus*
 26.138 *Opuntia*
 26.139 *Ferocactus johnsonii*
 (seed of 26.129)
 26.140 *Opuntia atrispina*
 26.141 *Opuntia mackensenii* Rose
 26.142 *Opuntia tortispina* Engelm.
 26.143 *Opuntia tortispina* Engelm.
 26.144 *Coryphantha echinus* Britt & Rose.

New Jersey Orange (Arizona)
 Manda #1

"

"

" (Arizona)

"

" (Arizona)

"

"

" (Arizona)

"

" Arizona

" no 1

"

"

"

"

" Texas

" # 2.

" Arizona

" # 1 (seed)

Texas,

E. Mortensen # 1

July 10.

" Leakey

2

" Fort Ward

3

" "

4

" Verde

6

26.145 *Opuntia*

26.146 *Beschermeria*

26.147 *Urceolina*

26.148 *Agave sartorii*

26.149 *Nemastylis*

26.150 *Cypella peruviana* Bata

26.151 *Zephyranthes humilis* Killip, Type

26.152 *Boschmania* ?

26.153 *Opuntia fragilis*

* 26.154 *Sedum Kessleri* Dancs 1926

26.155 *Leptochloa*

26.156 *Leptochloa*

26.157 "

26.158 *Agave utahensis* Engelm

26.159 *Euphorbia*

26.160 *Diontillezi*

Texas Douglas

E. Mortensen #7.

Mexico, Zacuapán

C.A. Purpus 10669²

Mexico, Zacuapán

C.A. Purpus

Rio Blanco, Peru - Macbride & Fentness 829

Mito, Peru

1724

Peru T. L. Herrera

Zacuapán, Mexico

C.A. Purpus

Aug. 1926

Huon Mountain Club, Mangrove C. Hill

V. H. Bailey

Aug 26 1926

Tp of Bishop Creek, Inyo Co. Cal.

Mr. Kessler (2021)

1926

(S. L. Kent)

1926

Grand Canyon, Ariz. J. E. Sturdevant Sept 19, 1926
U. S. Botanical Gardens

San Diego

Mo. H. H. H.

1926

26.161 *Agave santini*

26.162 *Agave pulcherrima*

26.163 *Eugenia uniflora*

26.164 *Hymenocallis crandallii*

26.165 *Trochodendron glummosum* Hall.

26.166 *Agave*

26.167 *Pyramnia*

26.168 *Sedum spectabile*

26.169 *Gnaphalium*

26.170 *Opuntia stanleyi* Engelm.

26.171 *Opuntia trichophora*

26.172 *Opuntia phaeacantha* Engelm.

26.173 *Echinocereus polyacanthus* Engelm.

26.174 *Opuntia leptocaulis* DC.

26.175 *Opuntia leptocaulis* DC.

26.176 *Opuntia leptocaulis* DC.

Zacapan, Mex.

1926

C. H. R. P.

Yucatan

1926

E. P. Crandall

Green House plant

Chaparral

1925

Dr. Purpus

L. H. Bailey

Santa Fe

Arizona

New Mexico

New Mexico - Santa Fe

Aug. 22, 1926

Bos. Arizone #1

" #2

" #3

" #4

" Santa Fe

" #5

" #6

" #7

" #8

26.177 *Opuntia stanleyi* Engelm.

26.178 *Opuntia phaeacantha* Engelm.

26.179 *Opuntia phaeacantha* Engelm.

26.180 *Opuntia polyacantha* Haw.

26.181 *Echinocereus polyacanthus* Engelm.

26.182 *Opuntia polyacantha* Haw.

26.183 *Echinocereus viridiflorus* Engelm.

26.184 *Echinocereus polyacanthus* Engelm.

26.185 *Coryphantha nemoralis* (Engelm.) B. & P.

26.186 *Opuntia viridiflora* Britt. & Rose.

26.187 *Echinocereus triglochidiatus* Engelm.

26.188 *Opuntia polyacantha* Haw. Nov 4, 1926

26.189 *Echinocereus triglochidiatus* Engelm.

26.190 *Coryphantha nemoralis* (Engelm.) B. & P.

26.191 *Coryphantha nemoralis* (Engelm.) B. & P.

26.192 *Opuntia polyacantha* Haw.

N. Mexico, Santa Fe.

Aug 22, 1926

Dr. Arsene # 9.

"

" # 10

"

" # 11

"

" # 12

"

" # 14

"

" # 15

"

" # 16

"

" # 17

"

" # 18

"

" # 19

"

" # 20

"

" # 21

"

" # 22

"

" # 23

"

" # 24

"

" # 26

26.193 *Echinocereus triglochidiatus* Engelm.

26.194 *Echinocereus polyacanthus* Engelm.

26.195 *Opuntia imbricata* DC.

26.196 *Opuntia polyacantha* Haw.

26.197 *Echinocereus polyacanthus* Engelm.

26.198 *Opuntia polyacantha* Haw.

26.199 *Neomammillaria micracantha* (Engelm.) B. & R.

26.200 *Echinocereus viridiflorus* Engelm.

26.201 *Echinocereus triglochidiatus* Engelm.

x 9
26.202 *Orypolis*

26.203 *Epithelantha*

26.204 *Echinocactus*

26.205 "

26.206 "

26.207 "

26.208 "

New Mexico, Santa Fe

Aug 22, 1946

Bos. Arsene # 27

" # 28

" # 29

" # 30

" # 31

" # 32

" # 33

" # 34

" # 35

N. Va. 2 mi S of Rawlinsburg
C.S. Steele

Rawlinsburg road 1400-1500 ft alt.
District of N.W. Highway 6
Sept 28, 1946
V. Mansueti

26.209 Echinocactus

26.210 Neomammillaria

26.211 " "

26.212 Ferocactus

26.213 Neomammillaria

26.214 " "

26.215 " "

26.216 Anthelonium millianii

26.217 Cephalocereus senilis

26.218 Claytonia parvifolia

26.219 Rhoeo Dead Nov 4. 1926

26.220 Hymenocallis

26.221 Selum reyii

26.222 Hoffmannseggia jamesii (seed)

26.223 Wisteria

26.224 Monarda campestris

V. Warden

" "

" "

Mex. Embury.

" "

" "

" "

" "

" "

California

D. H. MacDougal.

Aug 2, 1926

Oct. 19, 1926

9 lb Blue

Yucatan

E. L. Crandall.

1925

Texas

Thorp 4402

DC.

J. N. Rose

Texas

Thorp 4382

26. 225 Echinocactus johnsoni

26. 226 Peneocereus gregii

26. 227 Harrisia longlandii

26. 228. Sempervivum rotaliferum.

26. 229. " Tectum
violaceum

26. 230. " fimbriatum

26. 231. " Arachnoidea

26. 232. Crassula #1.

26. 233. Sedum. #1.

26. 234. Crassula #3

26. 235. Polypodium phyllitidis

26. 236. Epilendrum cochleatum.

26. 237 Opuntia macrocentra

26. 238 Neomammillaria johnstonii

26. 239 Neomammillaria Lloydii

26. 240 Sedum nevadense wherryi

27. 1 Begonia heracleifolia

a Polypodium phyllitidis

m Epilendrum cochleatum

Col Hart Myers, Florida,

all. Mrs. Florence A. Standley

N.Y. Bot. Garden

N.Y. Bot. Garden

Florida, Hart Myers
Mrs. Florence A. Standley

Florida, Hart Myers
Mrs. Florence A. Standley

New Mexico, Mountain Park

James Allen
Köln, Germany (cult.)

Fr. Bödeker

Mexico, Chiapas, woods in moist shady places
ca. Purpus

26. 225 *Echinocactus johnsoni*

26. 226 *Peneocereus gregii*

26. 227 *Harrisia longlandii*

26. 228 *Sempervivum rotaliferum*

26. 229. " *Tectorum*

26. 230. " *violaceum*

26. 230. " *fimbriatum*

26. 231. " *arachnoides*

26. 232. *Crassula* #1.

26. 233. *Sedum* #2.

26. 234. *Crassula* #3

26. 235. *Polypodium phyllitidis*

26. 236. *Epilendrum cochleatum*

26. 237 *Opuntia macrocentra*

26. 238 *Neomammillaria johnstonii*

26. 239 *Neomammillaria Lloydii*

26. 240 *Sedum neri* ~~wherry-Easton D.S.~~

27. 1 *Begonia heracleifolia*

Arizona - northwestern.

C. R. Orcutt

Mexico, Gomez Palacio

Oct. 20

Theo. Schwarz

Calif. Cult. Los Angeles

Oct. 12

H. M. Wiegner

N. Y. Bot. Garden.

N. Y. Bot. Garden.

N. Y. Bot. Garden

N. Y. Bot. Garden

Florida! ^{Fort Myers} Mrs. Florence A. Stanley

Florida ^{Fort Myers} Mrs. Florence A. Stanley

New Mexico, Mountain Park

James Allen

Köln, Germany (cult.)

Fr. Bodeker

Mexico, Chiapas woods in moist shady places
C. A. Purpus

- 27.2 *Begonia recurvifolia*
- 27.3 *Begonia*
- 27.4 ~~Sedum~~ *Drudleya*
- 27.5 ~~Sedum~~ *Drudleya*
- 27.6 ~~Sedum~~ *Drudleya*
- 27.7 ~~Sedum~~ *Drudleya*
- 27.8 *Notholaena sinuata* ✓
- 27.9 *Notholaena sinuata* ✓
- 27.10 *Cheilanthes wrightii* ✓
- 27.11 *Notholaena sinuata* ✓
- 27.12 *Cheilanthes wrightii* ✓
- 27.13 *Opuntia polyacantha* Haw.
- 27.14 *Opuntia macrostigma* Engl.
- 27.15 *Opuntia tortispina* Engl.
- 27.16 *Opuntia tortispina* Engl.
- 27.17 *Coryphantha arizonica*

Mexico, Chiapas on rocks, half shade, moist soil
C.A. Purpus

" Vera Cruz on rocks

"
Arizona Sierra Estrella south of Phoenix
T.H. Kearney

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

Colorado, Fort Collins.

Mrs. L.L. Roller by Mrs. Johnson.

Oklahoma on timber ridge in leaf mold.

"

"

"

"

"

Arizona, near Twin Buttes, Pima Co.
E.B. Bartram

Jan 15

- 27.18 *Coryphantha arizonica*
 27.19 *Echinocactus schrenkii*
 27.20 *Hymenocallis*
 27.21 *Hymenocallis?*
 27.22 *Crinum*
 27.23 ?
 27.24 ?
 27.25 *Sempervivum schottii*
 27.26 *Sempervivum requienii*
 27.27 *Sempervivum pulchellum*
 27.28 *Sempervivum murale*
 27.29 *Sempervivum sabaudum*
 27.30 *Homalocephala texensis*
 27.31 *Lithops mundii* Tricle
 27.32 *Lithops pseudotruncatella* Berger.
 27.33 *Anacampseros tomentosa* Berger.

Arizona, near Twin Buttes, Pima Co.
 E.B. Bartram.

Jan 15.

Chile, Santiago

Alfredo Frazz. Dr. Albrecht.

Yucatan E. L. Crandall

Yucatan E. L. Crandall

Yucatan E. L. Crandall

Yucatan E. L. Crandall

Yucatan E. L. Crandall

France: W. R. Lucas

France: W. R. Lucas

France: W. R. Lucas

France: W. R. Lucas

France: W. R. Lucas

Texas: Sandy plains near Port City
 Albert Ruth. 146^e

Jan. 1917.

Germany. Malsdorf cult.
 W. Mund.

"

"

"

"

2734 *Frizetia abyssinica*

2735 *Cassia alata*
(Sud)

2736 *Passiflora*
(Sud)

2737 *Chamaecrista*
(Sud)

2738 *Pachyrrhizus erosus* L. Mt.
(Sud)

2739 *Galactia fuchii* Walp.
(Sud)

2740 *Indigofera viscosa* Lam.
(Sud)

2741 *Teramnus uncinatus* H. & Sw.
(Sud)

2742 *Mirabilis jalapa* L.
(Sud from plants with pale flowers.)

2743 *Acacia*
(Sud)

2744 *Mimosa biuncifera*
(Sud)

2745 *Neomammillaria grahamii*

2745^a *Neomammillaria microcarpa* B. & R.
(Sud)

2746 *Coryphantha arizonica*

2747 *Echinocereus rigidissimus*

2748 *Coryphantha arizonica*

Blake #1.

Mexico, Monserate

CA Pampus

Brazil

Chore 9548.

Haiti, Mt. La Mine, St. Michel.

Leonard 7228

Haiti, Abolaye Plantation, St. Michel.

Leonard 7173.

Haiti, Mt. La Mine, St. Michel.

Leonard 7328.

Haiti, Mt. La Mine, St. Michel.

Leonard 7331.

Haiti, Mt. La Cacher, St. Michel.

Leonard 7612^a.

Haiti, Ennery

Leonard Jan. 1926 no. #.

Arizona

EB Bartram

Nov. 15, 1926

Arizona

EB Bartram

Jan. 22, 1927

Arizona, Twin Buttes, Pima Co.

EB Bartram.

Jan. 26, 1927

"

"

"

"

Arizona, Texas Canyon, Dragoon Mts, Cochise Co.

"

"

"

27.49 *Echinocereus fendleri*

27.50 *Fierocactus*

27.51 *Dudleya*

27.52 *Dudleya*

27.53 *Mammillaria hamii*

27.54 *Leucaena palmeri*

27.55 *Dudleya*

27.56 *Opuntia bigelovii* Engelm

27.57 *Dudleya collinsae*

27.58 *Agave*

27.59 *Fierocactus*

27.60 *Neomammillaria mariae*

27.61 *Neomammillaria olivae*

27.62 *Neomammillaria viridiflora* B.R.

27.63 *Neomammillaria microcarpa*

27.64 *Fierocactus*

Arizona, Texas Canyon, Dragon Mt., Cochise Co.
C.B. Bartram

Arizona

California Santa Ana Canyon 35 mi S.E. Los Angeles.
Ernest Brauer

California

Köln Germany
Fr. Bödker

Mexico, Western

M.G. Ortega 6627
California; San Diego Co. Imperial Beach, 14 mi S. of
L.H. Bailey

California, San Diego Co.
L.H. Bailey

Arizona, Payson
Roe E. Callow

Arizona, Baboquivari Mts.
Mr. M. French Gilman 1

" + 2

" + 3

" + 4

California
S.B. Parish

27.65 *Neomammillaria olivacea*
Seed.

27.66 *Amaryllis belladonna*

27.67 *Testudinaria glauca*

27.68 *Bergerocactus emeryi*

27.69 *Tierocactus johnsonii*
white spines.

27.70 *Tierocactus johnsonii*
red spines

27.71 *Roseocactus lloydii* (Rose) Berger

27.72 *Roseocactus lloydii* (Rose) Berger

27.73 *Opuntia*

27.74 *Coryphantha*

27.75 *Epithelantha micromeris*

27.76 *Astrophytum asteris*

27.77 *Escobaria lloydii*

27.78 *Echinofossulocactus multicristatus*

27.79 *Echinofossulocactus multicristatus*

27.80 *Thelocactus bicolor* B + R.

Arizona; Baboquivari Mts.
M. French Gelman #2

Africa, Cape Town

R. Marloth.

California, Canyon near La Jolla along Sea Feb. 24
L. H. Bailey.

Arizona

E. C. Rust

Mexico (northern)

A. F. Moeller #1

#2.

#3

#4

#6

#7

#8

#9

#10

#2

27.81 *Dudleya pulcherrima*

27.82 *Stylophyllum edule*

27.83 *Stapelia variegata*

27.84 *Stapelia hirsuta*

27.85 *Echeveria imbricata*

27.86 *Cotyledon macranthum*

27.87 *Stapelia grandiflora*

27.88 *Stapelia maculosoides*

27.89 *Stapelia revoluta*

27.90 *Stapelia atro-purpurea*

27.91 *Stapelia haurbergiana*

27.92 *Echeveria purpurea*

27.93 *Kalanchoe marmorata*

27.94 *Echeveria grisea*

27.95 *Kalanchoe somaliensis*

27.96 *Echeveria secunda-glanca*

California, Canyon near La Jolla along sea. Feb 24
L.H. Bailey

Australia (not from Australia but from the botanical
garden at Sydney, probably from)
Edwin Ashby. # 10

"

"

14

"

"

3

"

"

20

"

"

16

"

"

13

"

"

12

"

"

11

"

"

15

"

"

6

"

"

18

"

"

1

"

"

19

"

"

2

- 27.97 *Echeveria bracteolata*
- 27.98 *Echeveria retusa-floribunda*
- 27.99 *Echeveria*
- 27.100 *Echeveria*
- 27.101 *Echeveria gibbiflora-metallica*
- 27.102 *Sedum*
- 27.103 *Sedum*
- 27.104 *Stylophyllum*
- 27.105 *Dudleya grandiflora* Rose
- 27.106 *Opuntia*
- 27.107 *Echinocereus*
- 27.108 *Neomammillaria*
- 27.109 *Neomammillaria*
- 27.110 *Echinocereus viridiflorus*
- 27.111 *Coryphantha nemeritana*
- 27.112 *Echinocereus*

- Australia
 - Edwin Ashby # 4.
 - " # 7.
 - " # 8
 - " # 9
 - " # 5
 - lives out all winter on Buttermilk St near Walter Rees Hospital in a concrete urn no protection collected later part of Feb. by W.R. Lucas
- California
 - Ernest Branton
 - California. gravel pit between Garnett + Widenwater near Sonoma Pacific Ry.
 - Frank A. Thacker
 - New Mexico, Las Vegas.
 - Bro. Asene 39.
 - " —
 - " 40.
 - " 41. (= 42)
 - " 42
 - " 43
 - " 45
 - " 47

Not # 38 + 44 + 46 were dead

27.113 *Opuntia*

27.114 *Opuntia polyacantha*

27.115 *Echinocereus*

27.116 *Echinocereus*

27.117 *Echinocereus*

27.118 *Coryphantha nemeritica*

27.119 *Echinocereus*

27.120 *Echinocereus*

27.121 *Cassipourea*

(Seed)

27.122

27.123 *Echinocactus johnsoni* (Seed - red bean) *lutescens*
= 27.124

27.124 *Piptadenia peregrina*

27.125 *Opuntia*

27.126 *Sempervivum haworthii*

27.127 *Sempervivum haworthii*

27.128 *Rudbeckia*

New Mexico

Bio Arana 48 (239)

" 49

" 50

" 51

" 52

" 53 (= 40)

" 54 (= 43)

" 55 (= 43)

Jamaica

Orcutt 136

" 144

Nevada, near Searchlight.

M.E. Jones & S.B. Parish.

Porto Rico

Britton 3986.

Argentina

Comber 3 % A. Hill of Peru

California

W.D. Beecroft

27.129 *Sedum pachyphyllum*

27.130 *Sedum aureum* ?

27.131 *Crassula lycopodioides*

27.132 *Senecio pugioniformis*

27.133 *Phellosperma tetrandria* (Engelm.) B. & R.

27.134 *Acanthoseris*

27.135 *Phellosperma tetrandria* (Engelm.) B. & R.

27.136 *Cassia*

27.137 *Mesembryanthemum adscendens*

27.138

(orchid.)

27.139

27.140

27.141 *Lemnecium*

27.142 *Cephalocereus*

27.143 *Hyloteleium*

27.144 *Opuntia dillenii*

California

W. J. Beecroft.

"

"

"

"

"

"

Arizona, near Phoenix

Mrs. W. B. Collum.

Florida Dr. L. C. Corbett

Arizona

Mrs. W. B. Collum.

Africa, French Guiana, Kona, Ky, Fore Carol

March 16, 1927

Dr. David Fairchild, SPI. 20899 T.H. 68350.

Uruguay

Mrs. Luis Guillot S.P.I. 66812.

Mexico; Acootla, Guerrero

Jan. 1927

B.P. Rebo 5126

"

" 5125

" Cano del Gallo

" 5123

" Acootla

" 5112

" Rio

" 5127

" Acootla

" 5122

Florida, Seesta Bay, just below Sarasota

Henry Goodman.

27.145 *Hammia simpsonii*

27.146 *Hechtia*

27.147 *Beaucarnea recurvata*

27.148

Hamatocactus retusus Bonday seed.

27.149 *Begonia hydrostylifolia* O & H.

27.150 *Begonia*

off. sinuifolia

27.151 *Begonia*

27.152 *Echinocereus berlandieri*

27.153 *Neomammillaria*

27.154 *Neomammillaria*

27.155 *Neomammillaria wilcockii*

27.156 *Graptopetalum bartramii*

27.157 *Echinomastus erectocentrus*

27.158 *Coryphantha*

27.159 *Stapelia handburyana*

27.160 *Stapelia variegata*

Florida, Siesta Key, just below Sarasota.

Henry Goodman.

Mexico Vera Cruz, common on rocks.

Ca Pampas

Mexico " , common on rocks

" -

" "

" "

" "

Texas, S.A.

Mrs. Eugene A. Harris

Arizona (northwestern) Baboguinari Mts.

Edwin B. Bartram

" "

" "

" "

" Texas Canyon, Dragon Mts.

" " Baboguinari Mts.

M. French Gilman.

Harvard Bot. Gard.

" "

- 27.161 *Stapelia angulata*

27.162 *Stapelia* sp.

27163 *Euphorbia pentagona*

27-164 Malac^{CO}_Acarpus tetra^{CO}_Acanthus

27-165 *Malacarpus*^w *bredovalatus* Fene + Sch.

27.46 Opuntia

27-167 Operation

27-168 *Agave atrovirens*

27.169 *Agave sartorii*

27.170 *Beschomeria*

27.171 Agave

27.172 *Agave miradorensis*

27. 173 Dudleya

27.174 *Boynesia weinbergii*

27.175 Brown edule.

27176 Cactus

Harvard Bot. Gard.

11

4

Argentina

A. V. Eric.

11

2

Uruguay

24

45

Mexico

Purpure.

22

42

11

4

6

12

1

4

Arizona Mormon Flats, abundant on rocky hillsides.

9. *Nannin + RH. Peebles 3892* / TH Kearney.

California, San Francisco (cult)

Eric Walther.

Mexico, Hacienda Zucorapan, Huatusco, Veracruz ^{Apr. 21}

C.A. Purpus

Colombia, Cúcuta 2150 m alt. and lands Mar 23

Hillip & Smith 21027.

Apr 21

27.127

27.128 *Dudleya*

27.129 *Dudleya pulverulenta*

27.130 *Malacocarpus sellowii* (Link + Otto)

27.131 *Opuntia arechavaletae* Speg

27.132 *Opuntia aurantiaca* Lindl

27.133 *Echinocereus engelmannii*

27.134 *Neolloydia texensis* B & R.

27.135 *Coryphantha pectinata*

27.136 *Coryphantha pectinata*

27.137 *Coryphantha echinus*.

27.138

27.139 *Epithelantha micromeris*

27.140 *Pachycereus pecten-aboriginum*
(seed)

27.141 *Opuntia parryi*

27.142 *Opuntia echinocarpa*

200 m. alt. Dec. 29
1926
Columbia, Upper Rio Lebrija Valley near Bucaramanga
Killeip + Smith 16315

California, Jacumba on Mexican line

Ernest Bramton. 1004

"

"

1005

Uruguay

Luis Guillot #1.

"

"

#2.

"

"

#4.

Sent. by William Tell #1.

"

#2

"

#3

"

#4

"

#5

Texas

Mrs Eugene A. Harris

Mexico

Grace M. Cole

California

M. F. Gilman #10.

"

"

#12.

Apr.

Apr 28.

May 5

May 17.

27.143 *Echeveria*

27.144 *Sempervivum*

27.145 *Neomammillaria*

27.146 *Asterophytum asteris* Lm.

27.147 *Ancistrocactus* cf. *berthamatus*

27.148 *Hamatocactus setispinus* Britt & Rose

27.149 *Echinocereus reichenbachii* Haage & Gr.

27.150 *Echinocereus*

27.151 *Escobaria dasyacantha* Britt & Rose

27.152 *Lophophora williamsii* Conlt.

27.153 *Ancistrocactus* cf. *scheeri*

27.154 *Ferozactus uncinatus* Britt & Rose

27.155 *Echinocereus luteus* ?

27.156 *Neomammillaria denudata* Britt & Rose

27.157 *Neolloydia terana* Britt & Rose

27.158 *Neomammillaria*

California cult.

Eric Walther.

Texas, near Marathon

Jan.

Fred H. Hall #1.

" Hills north of Rio Grande City

" #2.

" 7 mi west of "

" #3.

" 5 mi west of Thompsonville

" #4.

" near Austin

" #5.

" north of Rio Grande City

#6.

" near Marathon

" #7.

" Hills north of Rio Grande City

#8.

" 5 miles west of Thompsonville

" #9.

" near Marathon

Edgar Hall #10.

" "

" #11.

" "

" #12.

" "

" #13.

" " Castell

Fred H. Hall #14

- 27.159 *Wilcoxia tuberosa* B+R.
- 27.160 *Coryphantha neomexicana* Britt + Rose.
- 27.161 *Ferocactus hamatacanthus* Britt + Rose.
- 27.162 *Echinocereus*
- 27.163 *Echinocereus*
- 27.164 *Echinocereus*
- 27.165 *Sempervivum haworthii*
- 27.166 *Opuntia*
- 27.167 *Neomammillaria heyderi* B+R.
- 27.168 *Echinocereus pentaloplus*
- 27.169 *Escobaria*
- 27.170 *Ferocactus hamatacanthus* B+R.
- 27.171 *Homalocephala texensis* B+R.
- 27.172 *Hamatocactus setispinus* B+R.
- 27.173 *Dolichothela sphaerica* B+R.
- 27.174 *Ancistrocactus scheeri* B+R.

- Texas, 5 miles north of Rio Grande City Jan.
Fred H. Hall #15.
- New Mexico, near Orogarden May
C.E. Martin #16.
- Texas, near Marathon Jan.
Edgar Hall #17.
- New Mexico, near Orogarden May.
C.E. Martin #18.
- " #19 Jan.
- Texas, near Marathon
Edgar Hall #20
- California Cult. June 4.
E. Walther
- California, Banning
M. French Gilman.
- Texas, Laredo June 3
V. J. Shiner #1
- " #2
- " #3
- " #4
- " #5
- " #6
- " #7
- " #8

27.175 Echinocereus

27.176 Hampea

27.177 Anastrocactus bertinii

27.178 Sansevieria quinquevittata (Lam.) Willd.

27.179

27.180

27.181

27.182

27.183

27.184

27.185

27.186

27.187 Sedum

27.188 Dudleya ingens Roe

27.189 Agave

27.190 Hamatocactus setispinus (Engelm.) B. & R.

Texas, Laredo.

V.J. Skinner #9.
S. Co. near Comstock.

Argentina Rio Negro

Dominican Rep.

Wetmore.
My Peckshild St Mary's Convent,
Sister Mary Regina #1

" #2

" #3

" #4

" #5

" #6

" #7

" #8

Mexico

Mrs Anna W. Kidder

Texas, between Rio Grande + Sanfordyce

Robert Runyon

Texas 5 mi. W. of Thompsonville
Fred. W. Wall #21

June 27.

- 27.191 *Neomammillaria microcarpa* (Engelm.) B.R.
- 27.192 *Fierroa ctua*
- 27.193 *Opuntia*
- 27.194 *Echinocereus rigidispinus* (Engelm.) B.R.
- 27.195 *Echinocereus reichenbachii* Hoage Y.
- 27.196 *Carnegiea gigantea* (Engelm.) B.R.
- 27.197 *Coryphantha echinus* (Engelm.) B.R.
- 27.198 *Echinocereus*
- 27.199 *Echinocereus chloranthus* Engelm.
- 27.200 *Escobaria tuberculosa* (Engelm.) B.R.
- 27.201 *Echeveria* ^{mucronata} *oregulata*
- 27.202 *Coryphantha aff. pycnacantha*
- 27.203 *Neomammillaria*
- 27.204 *Neomammillaria*
- 27.205 *Neomammillaria*
- 27.206 *Neomammillaria*

- N. Mex., Near Hachita, (Wyde Park, El Paso Co.)
C.E. Martin # 22 June
- Texas Near Marathon
Edgar Hall # 23 Jan.
- N. Mexico, Socorro,
C.E. Martin # 24 June.
- Arizona, Tucson
C.E. Martin # 25 June
- Texas, Marathon
Edgar Hall # 26 Jan.
- Arizona, Tucson
C.E. Martin # 27 June
- Texas, Marathon
Edgar Hall # 28 Jan.
- "
C.E. Martin # 29 June.
- "
C.E. Martin # 30 Jan.
- "
C.E. Martin # 31 June.
- Mexico ^{Norwood} (Cult. Ohio)
Belden C. Sauer. July 19.
- Mexico, Plains of Oriental, Puebla
C.A. Pampus # 20. July 20
- "
" # 21
- " Plains of Oriental, Puebla
" # 22
- " Plains of Real del Monte, Hidalgo
" # 23
- "
" # 24

27. 207 *Neomammillaria*
 27. 208 *Neomammillaria*
 27. 209 *Neomammillaria* *mystax* (mat) K-P
 27. 210 *Neomammillaria*
 27. 211 *Neomammillaria*
 27. 212 *Neomammillaria*
 27. 213 *Agave*
 27. 214 *Agave*
 27. 215 *Aloe vulgaris*
 27. 216 *Begonia*
 27. 217 *Echinopsis*
 27. 218 *Sedum album* L.
 27. 219 *Manfreda*
 27. 220 *Yucca*
 27. 221 *Adiantum*
 27. 222 *Agave rigida*

- Mexico, Oaxaca
 Ca Purpus 25-
 " Real di Monte. Hidalgo
 Ca Purpus 26.
 " Plains of Oriental
 Ca Purpus -
 "
 " "
 " Perote, Vera Cruz
 " "
 " Plains + hillsides of Oriental, Puebla
 " "
 " hillsides Oriental, Puebla
 " "
 " "
 " Tehuacan
 " "
 Mexico. D.F.
 Justav. Bassler.
 Ind. cult.
 J.B.S. Norton.
 Ec.?
 Popocatepetl # 3.
 Ga, Whigham
 Eric Hawthorne.
 Jamaica, Montego Bay
 Orent 2212
 Mexico
 Purpus
 Jamaica
 Orent.

27. 223

27. 224 *Opuntia jamaicensis*

27. 225 *Lemaireocereus*

27. 226 *Cercis arizonensis* B. & R.

27. 227 *Coryphantha arizonica* (Engelm.) B. & R.

27. 228 *Cactus harenensis* (Meyen)

27. 229 *Echinocereus fendleri*

27. 230 *Peniocereus greggii*

27. 231 *Neomammillaria macrocarpa*

27. 232 *Neomammillaria muscadongali*

27. 233 *Rhipsalis coccinea*

27. 234 *Mammillaria*

27. 235 *Mammillaria*

27. 236

27. 237

27. 238

Jamaica

C. R. Orcutt 2436

"

" 2440

"

" 2431

Arizona, Gr. Canyon

Glen E. Sturdevant

Arizona

Mrs. W. B. Colton

Cuba

Pro Leon

Arizona, Douglas to Tombstone

J. A. Kuebler

"

"

"

"

"

"

Jamaica

C. R. Orcutt

Arizona

Sells Exp. Sta

"

Oct.

"

"

"

- 27.239
- 27.240
- 27.241
- 27.242
- 27.243
- 27.244
- 27.245
- 27.246
- 27.247
- 27.248 *Neumannmilleria bocasana*
- 27.249 *Cereus tricrostatus*
- 27.250 *Pleniothallis*
- 27.251
(unlabeled)
- 27.252 *Stelis*
- 27.253

Arizona - Sells, Exp. Sta.

Oct.

"

"

"

"

"

"

Oct. 27.

Calif. Alhambra

E.C. Rost 709 N. Stoneman

Oct. 27.

Texas, Brewster Co. Glen Spring.

Oct. 27.

G. L. Fisher, #88, 610 Hadley Ave. Houston, Tex

Mexico, Ind. Durango.
Ribeiro

California

H. M. Wegman

212 E 24th St Los Angeles.

Mexico.

Purpus

"

"

"

"

"

"

From 27.216
E.C. Rost.
709 N. Stoneman
Alhambra
Calif.

27.254

(Orchid)

27.255 *Pleurothallis*

27.256

(Orchid)

27.257

Orchid

27.258

(Orchid)

27.259 *Miconia poselgeri*

27.260 *Opuntia leptocaulis*

27.261 *Agave*

27.262 *Agave americana*

27.263 *Manfreda variegata*

27.264 *Echinocereus*

27.265 *Aloe*

27.266 *Manfreda*

27.267 *Manfreda*

27.268 *Opuntia schottii*

27.269 *Stapelia variabilis*

Mexico

Panama

on branches

Texas, Laredo

V.J. Skinner #10

Nov. 29.

#11

#12

#13

#14

#15

#16

#17

#18

#19

#20

27.270 Schlumbergera russelliana

27.271 Echinocereus reichenbachii

27.272 Hamatocactus setispinus

Texas, Laredo

V. J. Shiner # 21.

22.

NY Bot Gard.

Dr. N. L. Britton

Dec 29.

- 28.1 *Dahlia coccinea*
(cult.)
- 28.2 " (seed)
- 28.3 " (seed)
- 28.4 *Opuntia*
- 28.5 *Stapelia variegata crenata*
- 28.7 *Opuntia opuntia*
- 28.10 *Opuntia opuntia*
- 28.11 *Coryphantha serotina* (Engl.) Hob
- 28.12 *Coryphantha arizonica* (Engl.) Britt & R
- 28.13 *Coryphantha robustispina* (Schott) Britt & R
- 28.14 *Echinocactus horizontalis* Lemmon
- 28.15 *Dudleya*
- 28.16 *Harrisia*
- 28.17
- 28.18 *Dudleya pulverulenta*
- 28.19

Mexico

C.A. Purpus

"

"

"

"

Cal Los Angeles (cult)
Frank Lamb

"

"

Ill. Des Plaines R. at Channahon in limestone
Ralph O Baird #1

Ill. Braidwood in dunes

"

#2

N. Mexico (central)
James Allen

Arizona, Grand Canyon
Glen E. Sturdevant

Mar. 22

Arizona

Edwin B. Bartram

Mar. 31

California, Hospital Rock, Sequoia Nat. Pk. Mar. 26
L.R. Abrams

Dominican Republic near Montecristo Apr. 1, 1928.
Miller

California San Luis Obispo
Miss Gertrude Simshimer

Apr. 24

28.20 *Dudleya*

28.21 *Sedum*

28.22 *Crossulaceae*

28.23 *Crossulaceae*

28.24 *Crossulaceae*

28.25 *Cactus*

28.26 ~



Arizona, Sierra Estrella.

R. H. Peebles.

Arizona Mts above Payson 6000 ft alt. Apr.
Mrs W. B. Collum.

California, San Luis Obispo Co.
Miss Gertrude Simschauer.

"

"

"

"

Cuba. Paul Bartsch

July 1928

"

"

"

"

"



—1929—

29.1 Echinocereus Baileyi Rose

Texas: South of Ranger, Vernon Bailey,
coll. May 1, 1929.

1930

30.1 *Raiis colorado* from Dr. Harrington
grow for identification

30.2 *Solanum* sp. Zuni reservation
W. New Mexico, F. H. H. Roberts
Aug. 1930

30.3 *Nemastylis lyonneta* Morton n. sp.
bult from *lyonneta* 271

1931

31.1 *Oreobroma heckneri*
6 plants received from
Frank Gabrielson on
Jan. 25, 1931

1933

- 33.1 *Dudleya collinsae* Rose
 33.2 " " "
 33.3 " " "
 33.4 " " "
 33.5 " " "
 33.6 *Oreobroma heckeri* Woot.
 33.7 *Sedum obtusatum* Gray

Payson Arizona June 1933 by Van Collom

"

"

"

"

Trinity Ints. Calif. July 1933 John Hecker

"

1934

34.1 *Neomamillaria celciana* (Lem.) B+P

Mell's label reads "On fresh
rarely in twos"

34.2 *Neomamillaria* sp.

Mell's label reads "This is a small
The clusters are sometimes on
rocks (limestone) either in dry
streambeds."

34.3 *Dudleya collinsae*

34.4 *Dudleya*

34.5 *Dudleya*

34.6 "

Chivela, Oaxaca. Mar. 19, 1934 C. D. Mell, coll.
limestone, occurring usually single,

Chivela, Oaxaca. Apr. 19, 1934 C. D. Mell, coll.
sprout from a cluster of a dozen or more.
large as a man's head. They occur on
or wet places, occasionally in

Near Payson, Arizona, coll. by Mrs. Rose E. Collins
Spring 1934

Has pale flowers?

Little Sycamore Canyon, Santa Monica Mts.,
Ventura Co., 5 miles from ocean. See
note in file of *Comptonia*. Coll. Ellen
Rookesby, July 1934.

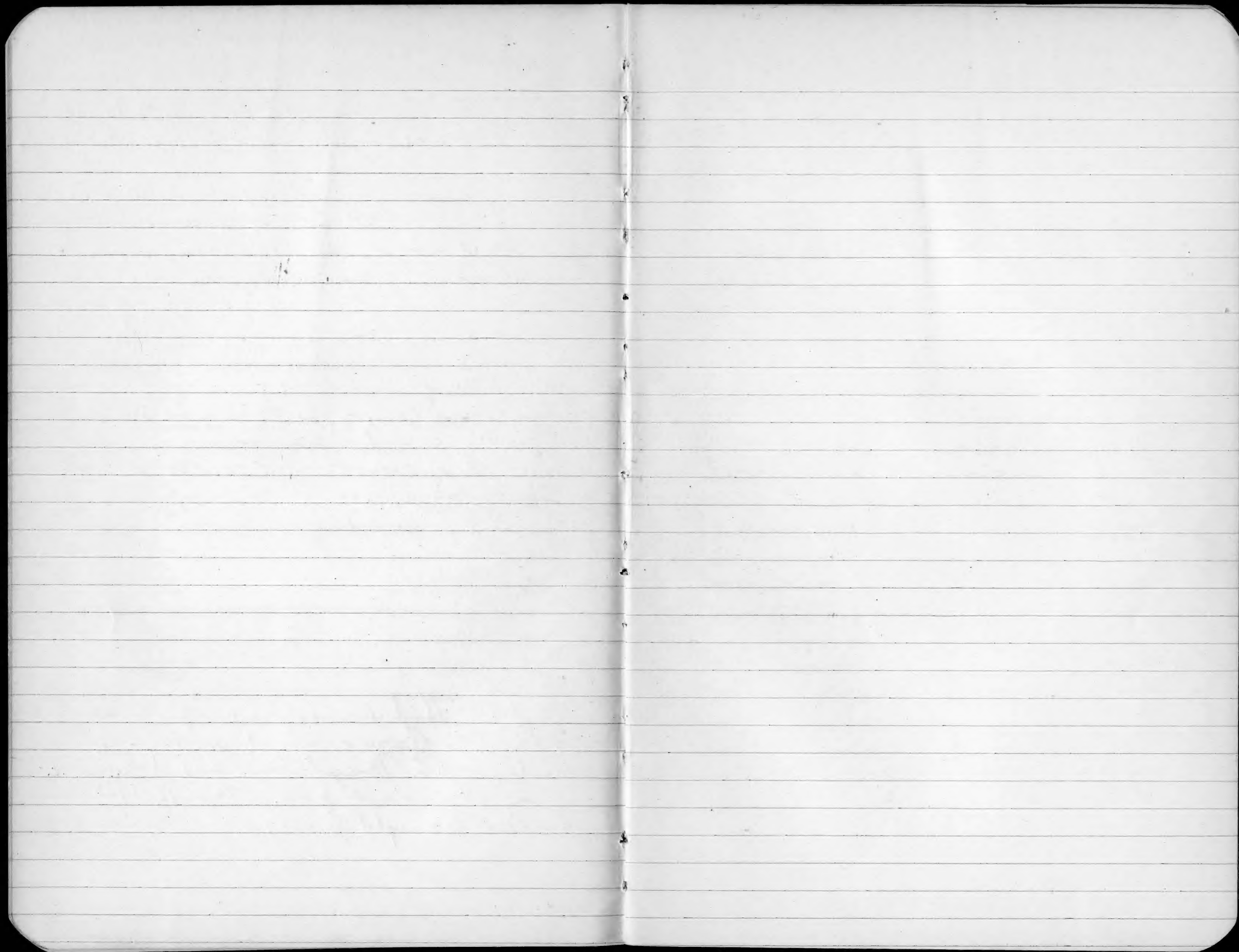
Data same as preceding

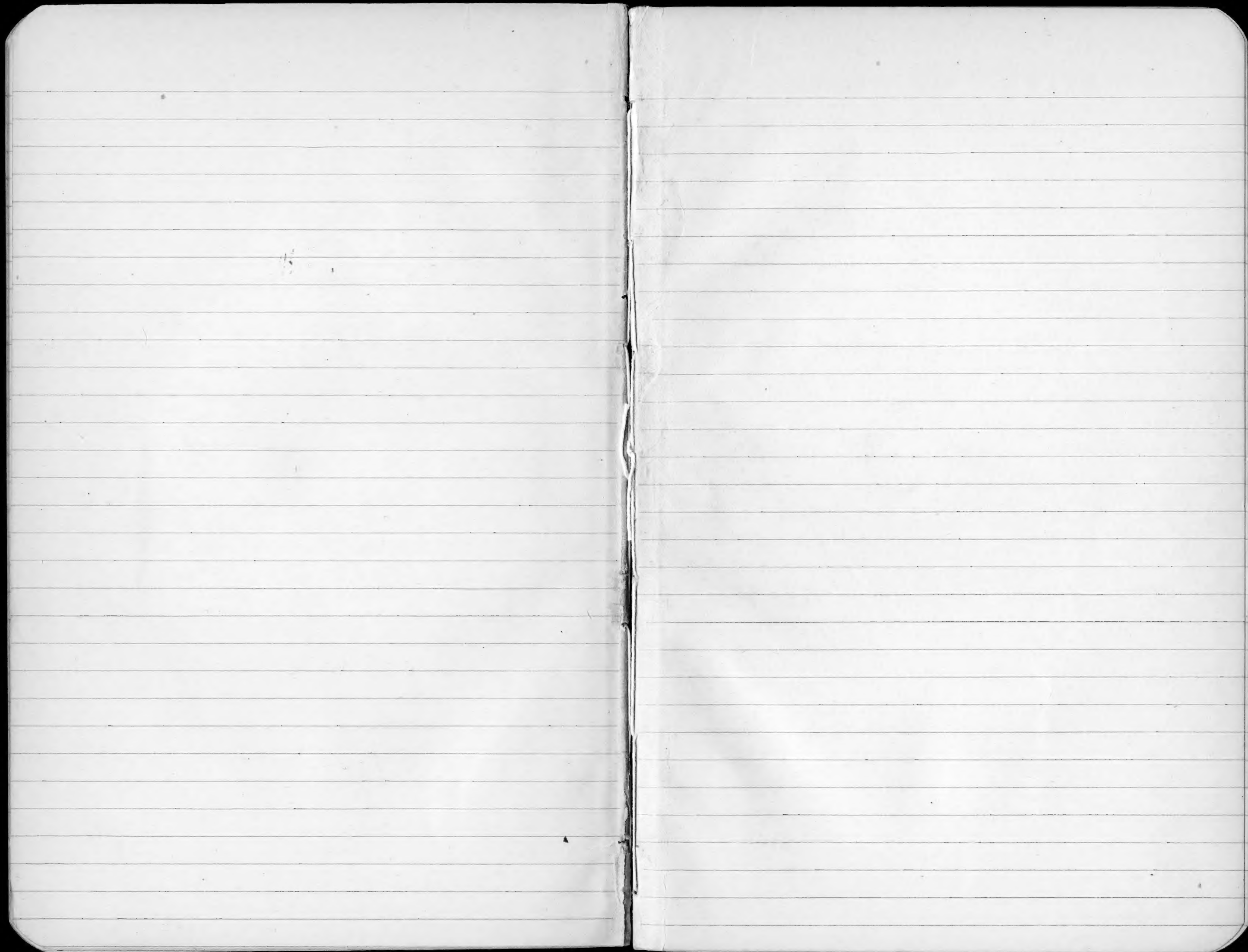
" " " "

1935

35.1 *Zamia*

Colombia: "High sandstone ridge east
of Puerto Berrio, about midway
between the Magdalena and Carare;
very abundant here." May 18, 1935.
Oscar Haught #1717.





428 4¹⁴

7